

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039637.D
 Acq On : 23 Jul 2020 14:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 24 01:35:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 23 13:03:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	229104	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	220566	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	115735	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	66110	44.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.64%
7) Chloroethane-d5	1.92	69	74025	41.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.84%
11) 1,1-Dichloroethene-d2	2.58	63	138597	43.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.80%
21) 2-Butanone-d5	4.65	46	146352	85.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.00%
24) Chloroform-d	5.09	84	153265	45.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.38%
26) 1,2-Dichloroethane-d4	5.72	65	104838	43.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.48%
32) Benzene-d6	5.75	84	283992	46.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.74%
36) 1,2-Dichloropropane-d6	6.71	67	90504	45.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.14%
41) Toluene-d8	7.91	98	267769	46.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.92%
43) trans-1,3-Dichloropropene-	8.19	79	46877	46.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.48%
47) 2-Hexanone-d5	8.64	63	103282	94.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.27%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	144708	45.50	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	117864	46.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.14%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	77276	49.520	ug/L 99
3) Chloromethane	1.53	50	74806	46.133	ug/L 98
5) Vinyl chloride	1.61	62	75967	46.109	ug/L 100
6) Bromomethane	1.86	94	77238	62.390	ug/L 98
8) Chloroethane	1.94	64	58558	39.965	ug/L 100
9) Trichlorofluoromethane	2.15	101	131042	45.007	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	63136	45.050	ug/L 98
12) 1,1-Dichloroethene	2.59	96	60769	46.497	ug/L 95
13) Acetone	2.65	43	87013	75.934	ug/L 100
14) Carbon disulfide	2.81	76	193755	46.331	ug/L 99
15) Methyl Acetate	2.96	43	94266	45.919	ug/L 98
16) Methylene chloride	3.06	84	73893	47.210	ug/L 95
17) trans-1,2-Dichloroethene	3.37	96	68619	47.183	ug/L 97
18) Methyl tert-butyl Ether	3.38	73	230427	49.031	ug/L 99
19) 1,1-Dichloroethane	3.89	63	134077	47.242	ug/L 98
20) cis-1,2-Dichloroethene	4.69	96	77635	46.711	ug/L 100
22) 2-Butanone	4.73	43	144620	89.553	ug/L 98

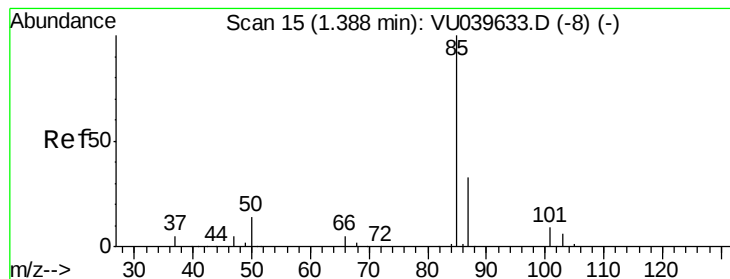
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 Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	38936	46.613	uq/L	97
25) Chloroform	5.11	83	146102	46.411	uq/L	99
27) 1,2-Dichloroethane	5.81	62	117174	44.889	uq/L	98
29) Cyclohexane	5.41	56	120831	50.425	uq/L	98
30) 1,1,1-Trichloroethane	5.34	97	127954	48.458	uq/L	97
31) Carbon tetrachloride	5.54	117	112064	51.163	uq/L	98
33) Benzene	5.79	78	296773	48.820	uq/L	100
34) Trichloroethene	6.56	95	80015	49.764	uq/L	99
35) Methylcyclohexane	6.78	83	118650	47.725	uq/L	99
37) 1,2-Dichloropropane	6.81	63	80592	48.969	uq/L	100
38) Bromodichloromethane	7.12	83	108706	49.735	uq/L	97
39) cis-1,3-Dichloropropene	7.62	75	120402	48.952	uq/L	99
40) 4-Methyl-2-pentanone	7.80	43	276392	96.398	uq/L	99
42) Toluene	7.98	91	329089	49.228	uq/L	99
44) trans-1,3-Dichloropropene	8.22	75	122418	50.824	uq/L	100
45) 1,1,2-Trichloroethane	8.41	97	78506	50.021	uq/L	96
46) Tetrachloroethene	8.56	164	58388	48.008	uq/L	97
48) 2-Hexanone	8.69	43	233358	99.885	uq/L	99
49) Dibromochloromethane	8.82	129	87349	49.292	uq/L	99
50) 1,2-Dibromoethane	8.93	107	86185	49.358	uq/L	100
51) Chlorobenzene	9.45	112	208723	48.932	uq/L	98
52) Ethylbenzene	9.57	91	369070	49.959	uq/L	98
53) m,p-Xylene	9.70	106	141309	50.745	uq/L	94
54) o-xylene	10.10	106	139032	52.026	uq/L	98
55) Styrene	10.11	104	242088	52.349	uq/L	99
56) Isopropylbenzene	10.48	105	373865	51.533	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	138910	48.559	uq/L	96
59) 1,2,3-Trichloropropane	10.82	75	113670	47.599	uq/L	99
61) Bromoform	10.29	173	68411	49.971	uq/L	99
62) 1,3-Dichlorobenzene	11.74	146	174292	49.162	uq/L	97
63) 1,4-Dichlorobenzene	11.83	146	176278	49.633	uq/L	99
65) 1,2-Dichlorobenzene	12.21	146	176898	49.379	uq/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	36174	50.476	uq/L	93
67) 1,3,5-Trichlorobenzene	13.21	180	125513	49.092	uq/L	99
68) 1,2,4-trichlorobenzene	13.83	180	113543	52.331	uq/L	98
69) Naphthalene	14.08	128	381046	58.543	uq/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	117569	53.639	uq/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2

Dichlorodifluoromethane

Concen: 49.520 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039637.D

Acq: 23 Jul 2020 14:08

Instrument :

MSVOA_U

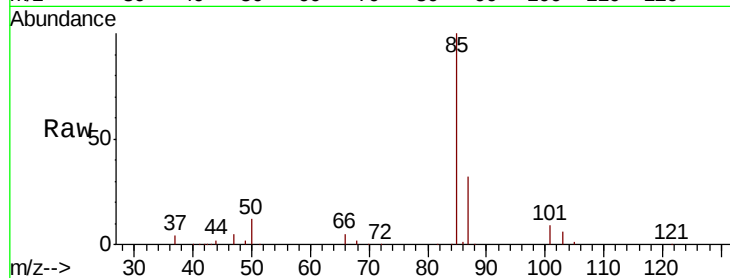
ClientSampleId :

Tot Ion: 85 Resp: 77276

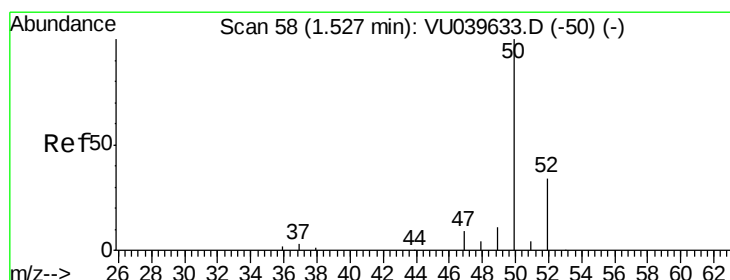
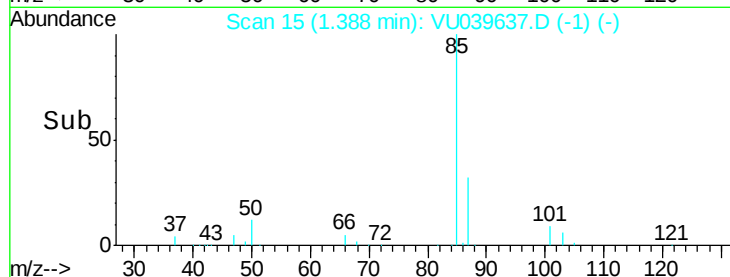
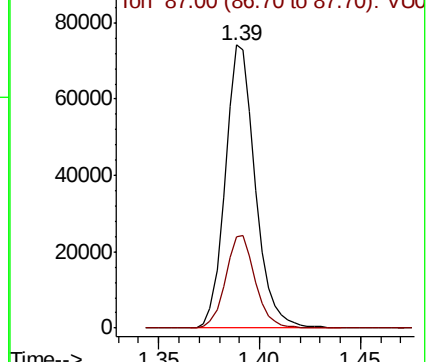
Ion Ratio Lower Upper

85 100

87 32.4 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU039637.D (-8) (-)



#3

Chloromethane

Concen: 46.133 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039637.D

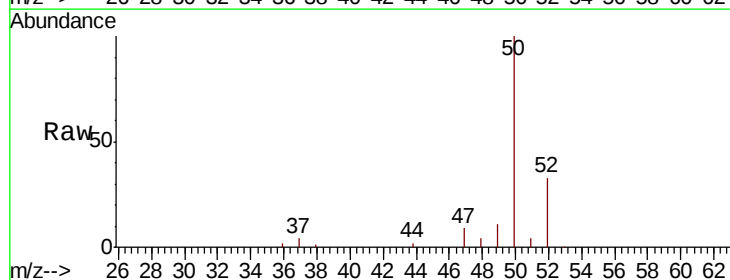
Acq: 23 Jul 2020 14:08

Tgt Ion: 50 Resp: 74806

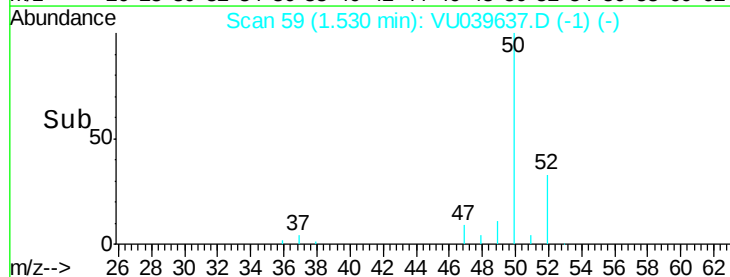
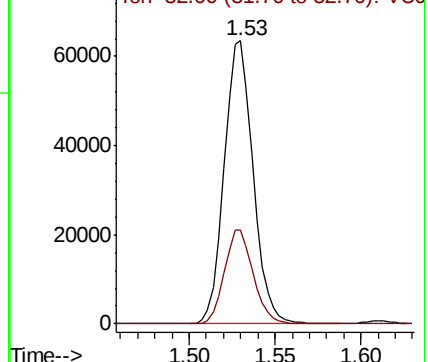
Ion Ratio Lower Upper

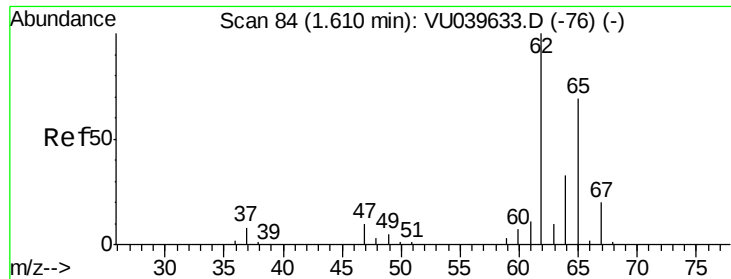
50 100

52 33.3 24.0 44.6



Abundance Ion 50.00 (49.70 to 50.70): VU039637.D (-50) (-)





#5

Vinyl chloride

Concen: 46.109 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039637.D

Acq: 23 Jul 2020 14:08

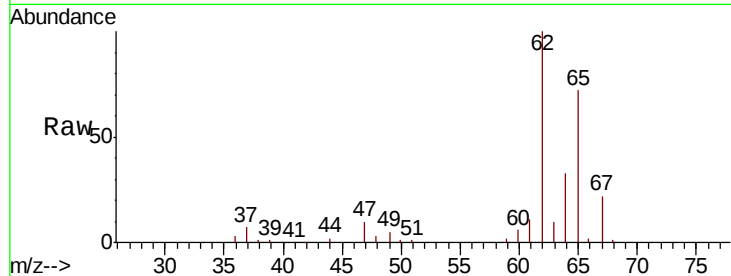
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 75967

Ion Ratio Lower Upper

62 100

64 32.5 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU039637.D (-76) (-)

Ion 64.00 (63.70 to 64.70): VU039637.D (-76) (-)

1.61

80000

60000

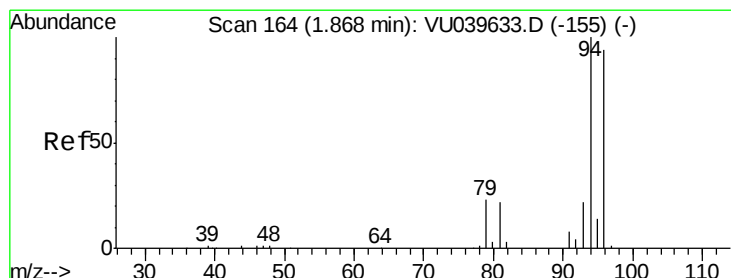
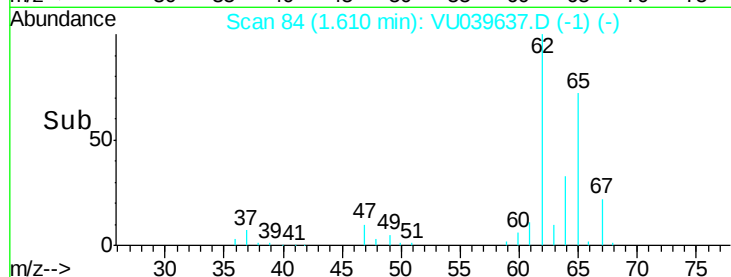
40000

20000

0

1.55 1.60 1.65

Time-->



#6

Bromomethane

Concen: 62.390 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039637.D

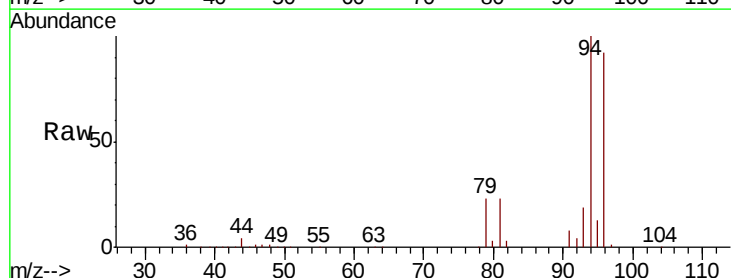
Acq: 23 Jul 2020 14:08

Tgt Ion: 94 Resp: 77238

Ion Ratio Lower Upper

94 100

96 91.8 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VU039637.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039637.D (-155) (-)

1.86

60000

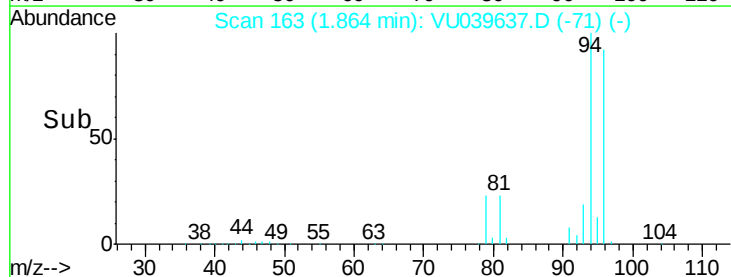
40000

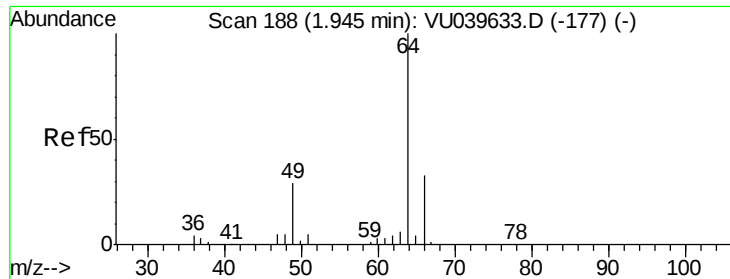
20000

0

1.80 1.85 1.90

Time-->

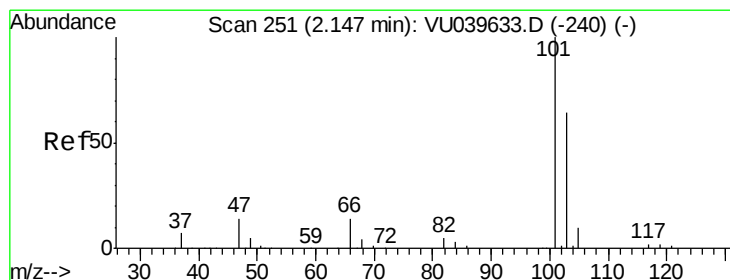
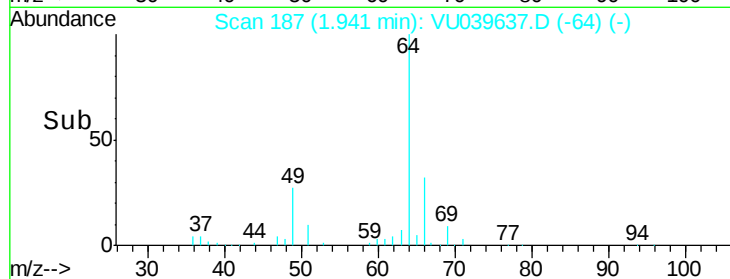
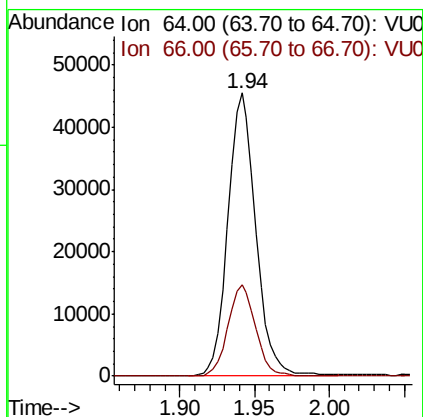
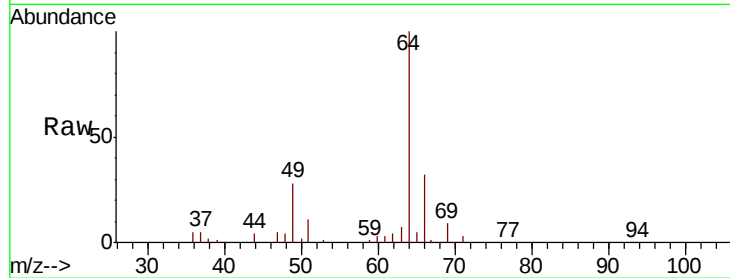




#8
Chloroethane
Concen: 39.965 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU039637.D
Acq: 23 Jul 2020 14:08

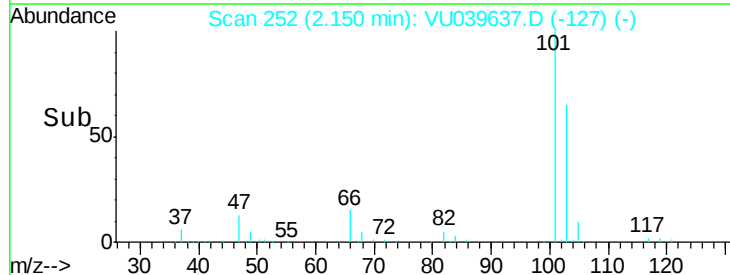
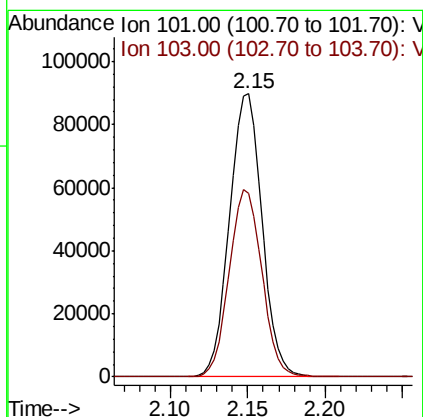
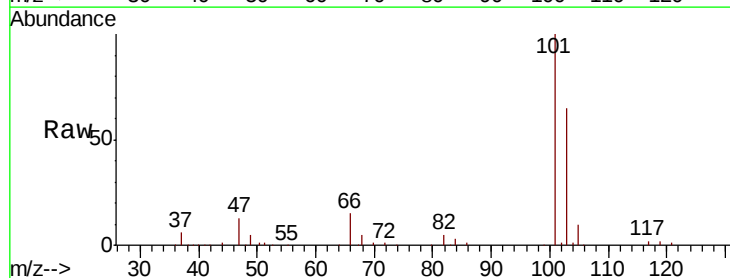
Instrument :
MSVOA_U
ClientSampleId :

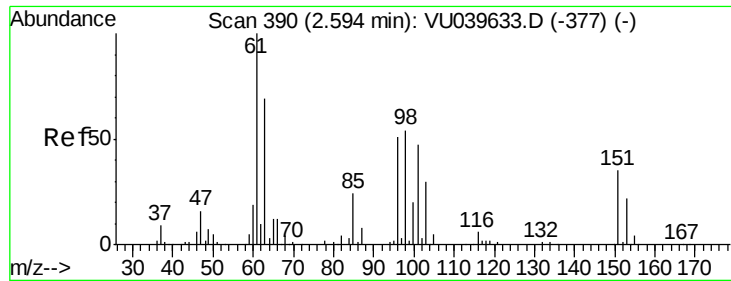
Tot Ion: 64 Resp: 58558
Ion Ratio Lower Upper
64 100
66 32.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 45.007 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU039637.D
Acq: 23 Jul 2020 14:08

Tgt Ion:101 Resp: 131042
Ion Ratio Lower Upper
101 100
103 66.3 52.8 79.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 45.050 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039637.D

Acq: 23 Jul 2020 14:08

Instrument :

MSVOA_U

ClientSampled :

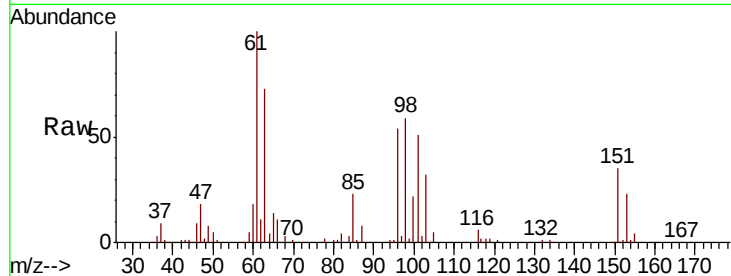
Tot Ion:101 Resp: 63136

Ion Ratio Lower Upper

101 100

85 48.1 39.7 59.5

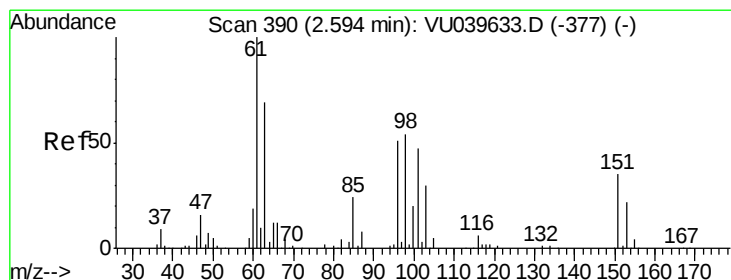
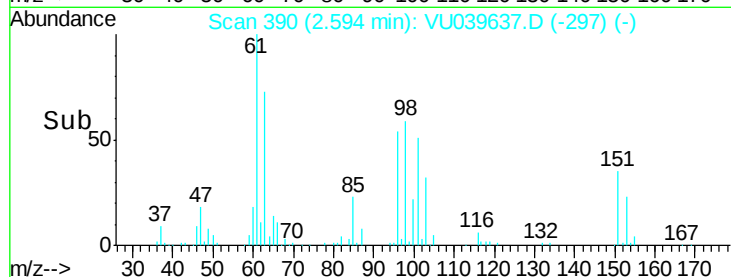
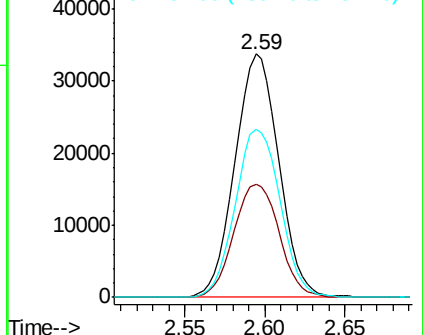
151 70.7 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 46.497 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039637.D

Acq: 23 Jul 2020 14:08

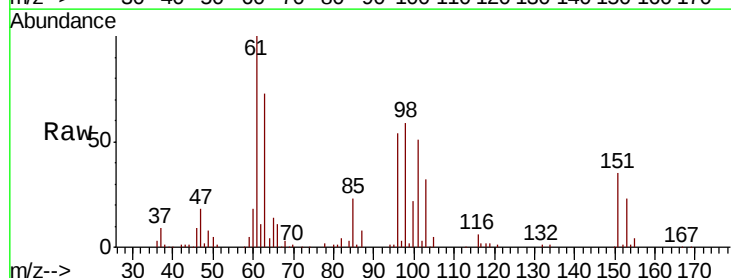
Tgt Ion: 96 Resp: 60769

Ion Ratio Lower Upper

96 100

61 185.7 136.6 253.6

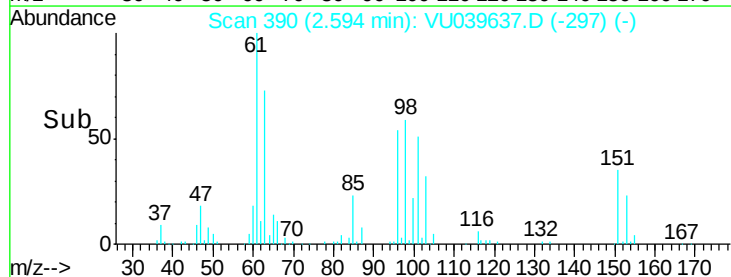
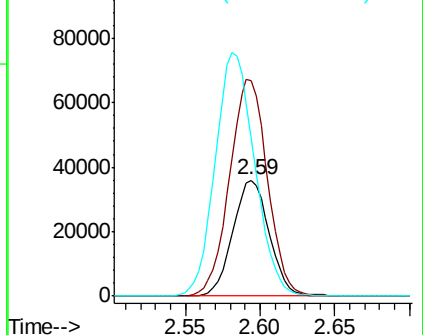
63 135.8 97.2 180.6

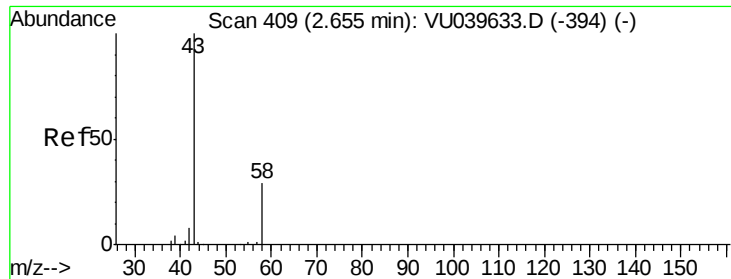


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 75.934 ug/L

RT: 2.65 min Scan# 406

Delta R.T. -0.01 min

Lab File: VU039637.D

Acq: 23 Jul 2020 14:08

Instrument :

MSVOA_U

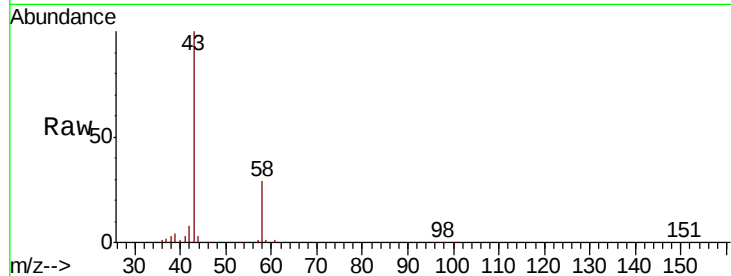
ClientSampled :

Tot Ion: 43 Resp: 87013

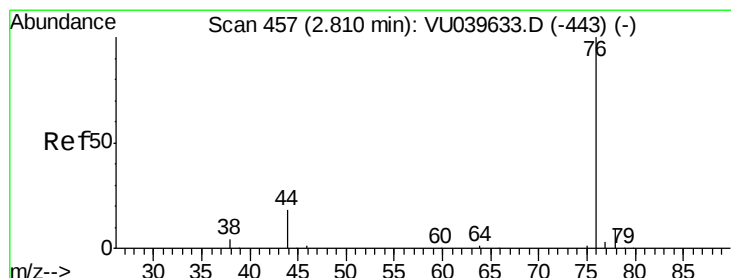
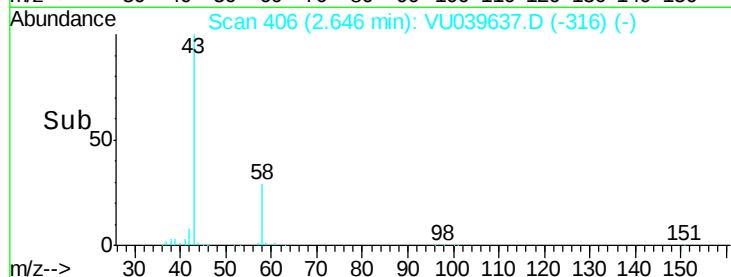
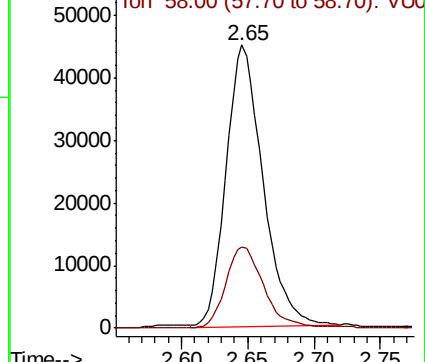
Ion Ratio Lower Upper

43 100

58 29.5 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VU039637.D (-316) (-)



#14

Carbon disulfide

Concen: 46.331 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039637.D

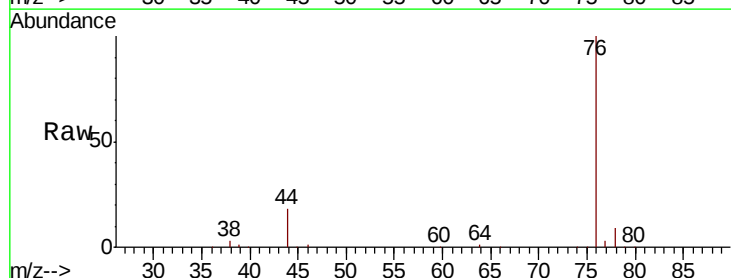
Acq: 23 Jul 2020 14:08

Tgt Ion: 76 Resp: 193755

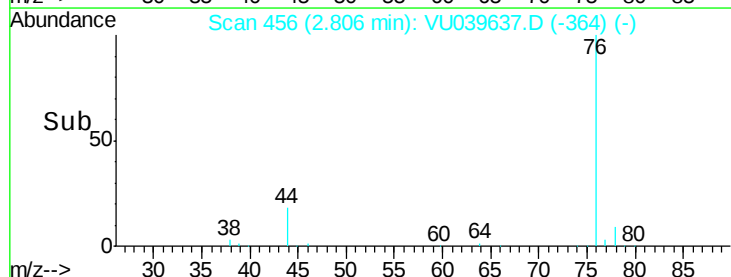
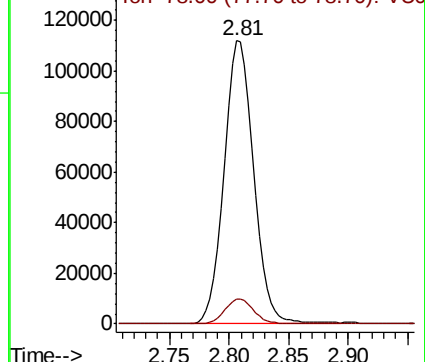
Ion Ratio Lower Upper

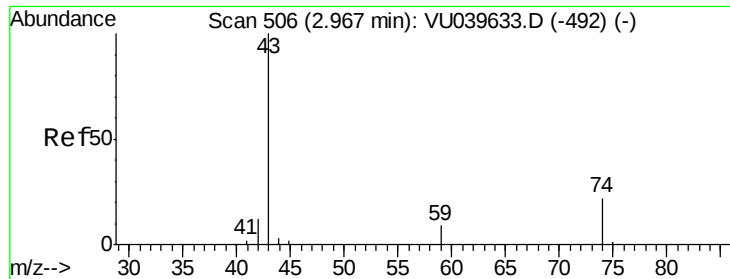
76 100

78 8.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU039637.D (-364) (-)

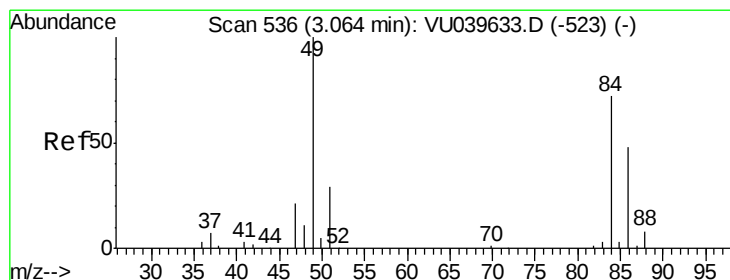
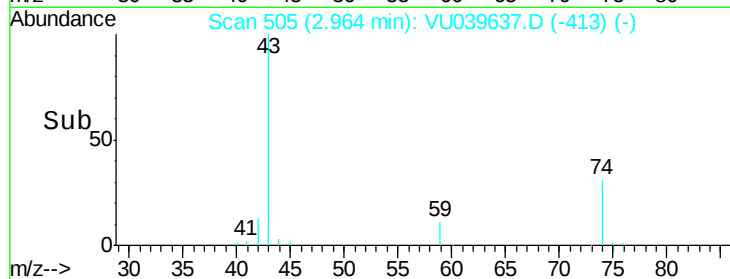
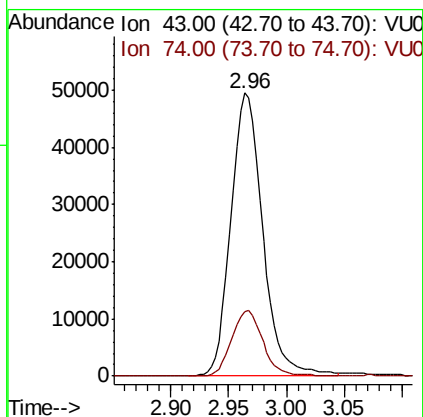
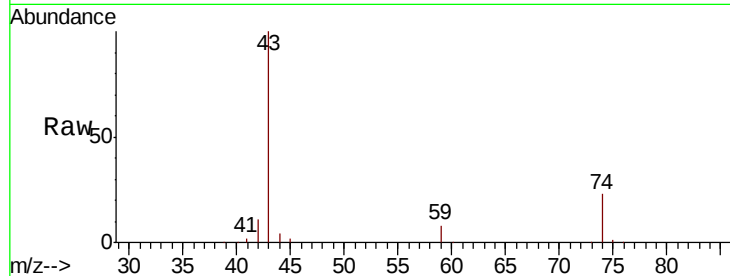




#15
Methvl Acetate
Concen: 45.919 ug/L
RT: 2.96 min Scan# 505
Delta R.T. -0.00 min
Lab File: VU039637.D
Acq: 23 Jul 2020 14:08

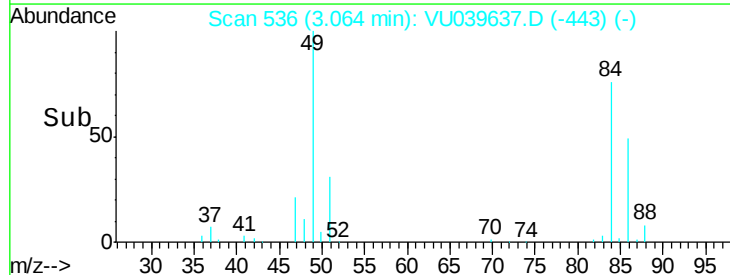
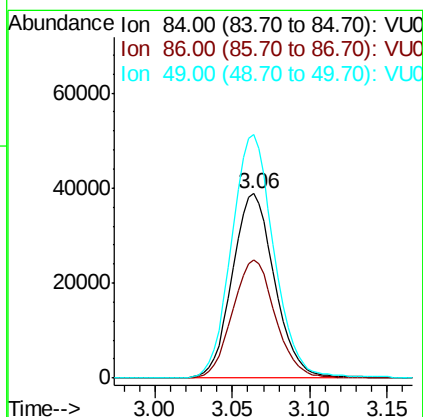
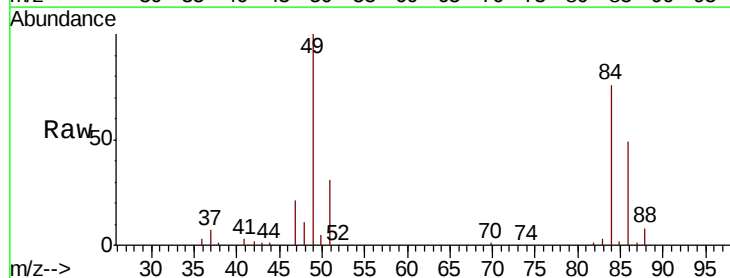
Instrument :
MSVOA_U
ClientSampled :

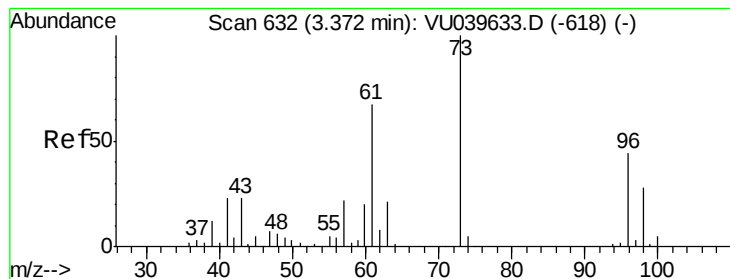
Tot Ion: 43 Resp: 94266
Ion Ratio Lower Upper
43 100
74 22.7 17.4 26.0



#16
Methylene chloride
Concen: 47.210 ug/L
RT: 3.06 min Scan# 536
Delta R.T. -0.00 min
Lab File: VU039637.D
Acq: 23 Jul 2020 14:08

Tgt Ion: 84 Resp: 73893
Ion Ratio Lower Upper
84 100
86 64.2 46.2 85.8
49 131.9 97.3 180.7





#17

trans-1,2-Dichloroethene

Concen: 47.183 ug/L

RT: 3.37 min Scan# 632

Delta R.T. -0.00 min

Lab File: VU039637.D

Acq: 23 Jul 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

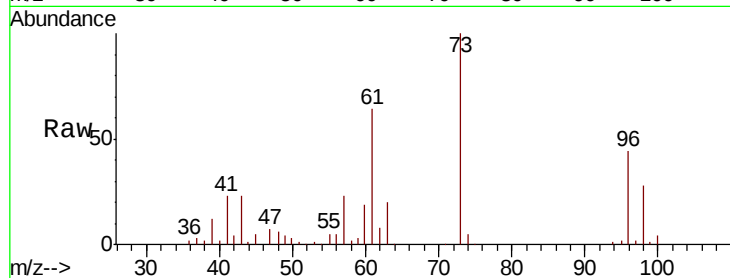
Tot Ion: 96 Resp: 68619

Ion Ratio Lower Upper

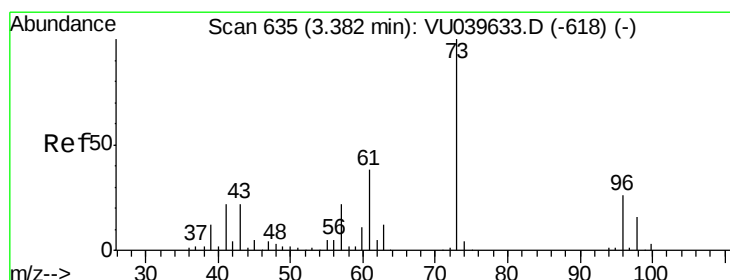
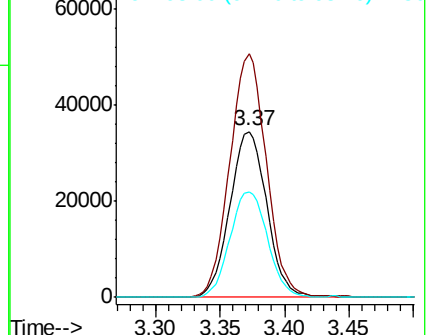
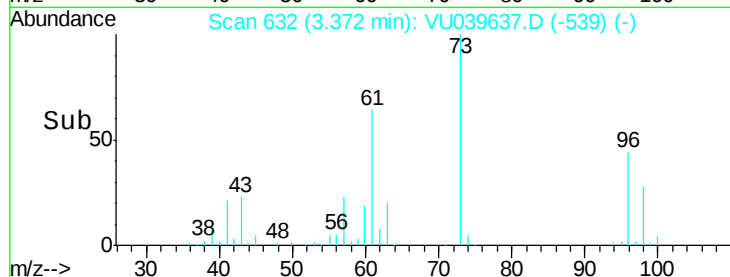
96 100

61 147.1 106.7 198.1

98 63.8 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU039637.D (-539) (-)



#18

Methyl tert-butyl Ether

Concen: 49.031 ug/L

RT: 3.38 min Scan# 635

Delta R.T. -0.00 min

Lab File: VU039637.D

Acq: 23 Jul 2020 14:08

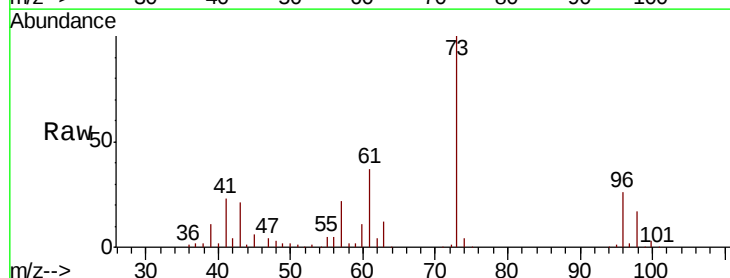
Tgt Ion: 73 Resp: 230427

Ion Ratio Lower Upper

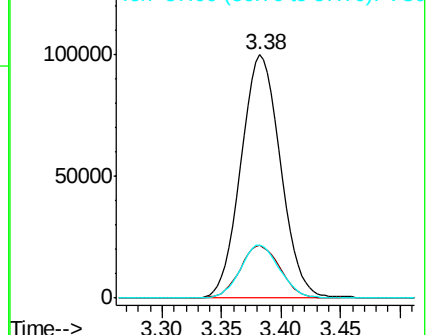
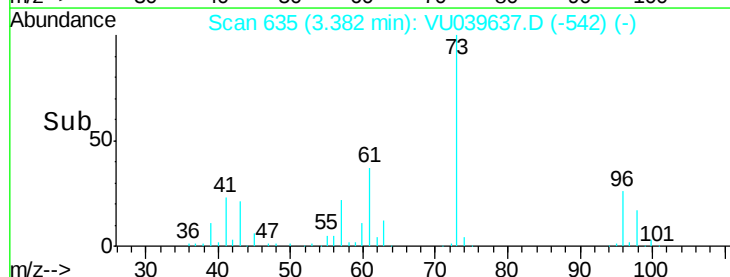
73 100

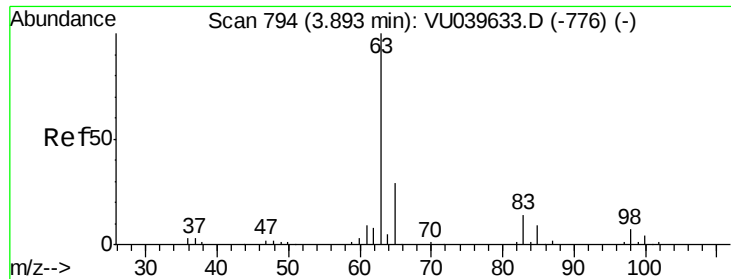
43 22.0 18.2 27.2

57 21.7 17.4 26.2



Abundance Ion 73.00 (72.70 to 73.70): VU039637.D (-542) (-)

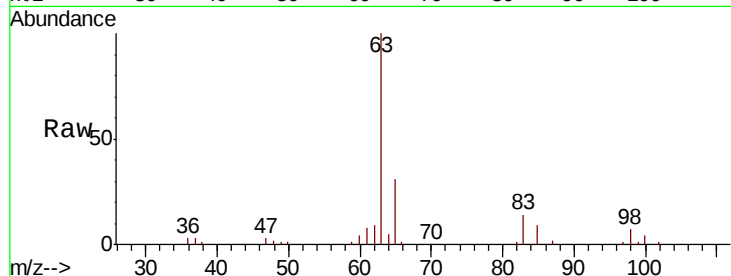




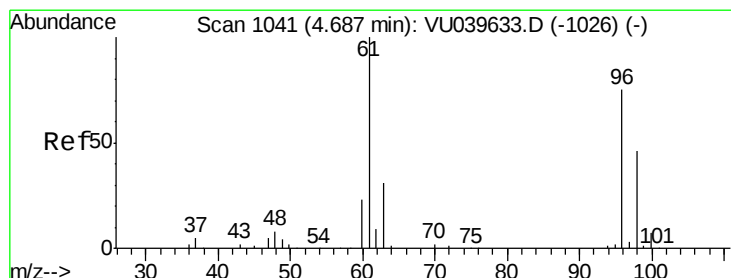
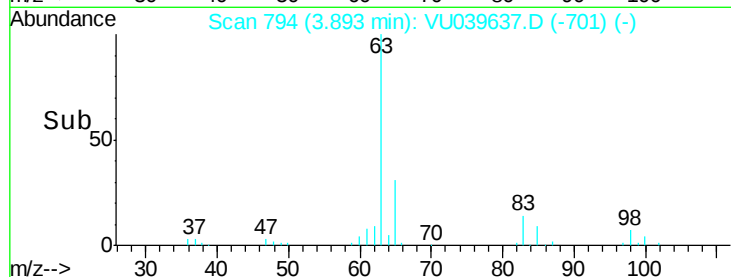
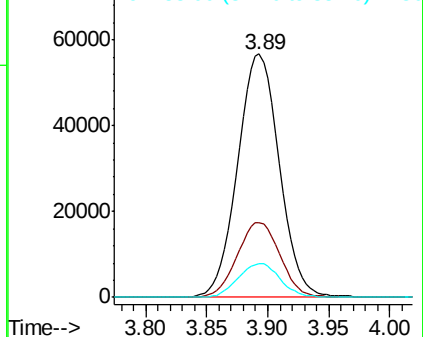
#19
 1,1-Dichloroethane
 Concen: 47.242 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: VU039637.D
 Acq: 23 Jul 2020 14:08

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 134077
 Ion Ratio Lower Upper
 63 100
 65 30.9 20.4 38.0
 83 14.0 9.7 18.1

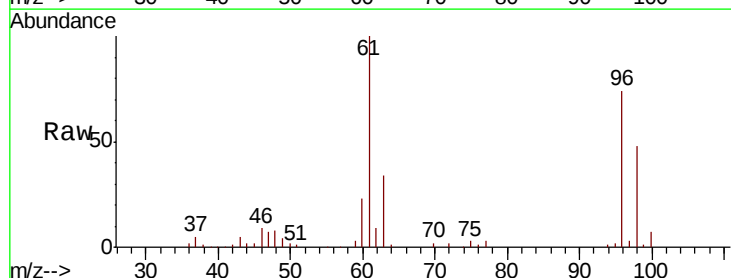


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

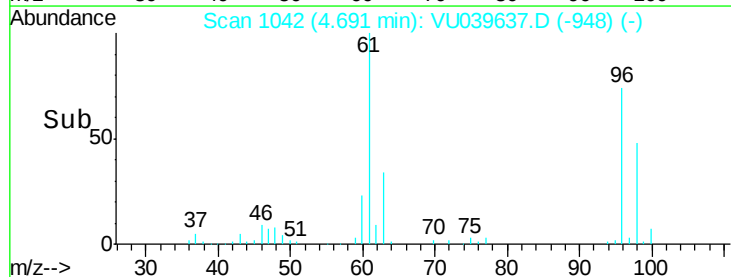
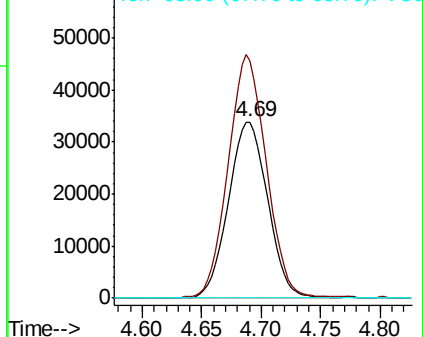


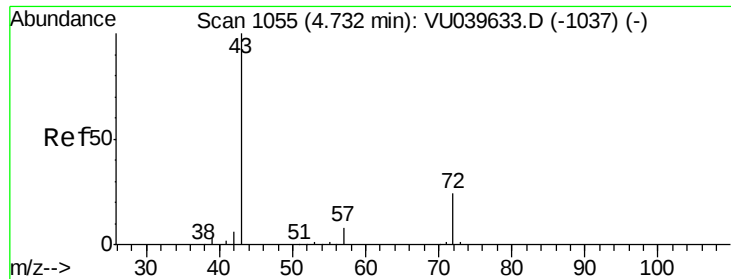
#20
 cis-1,2-Dichloroethene
 Concen: 46.711 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VU039637.D
 Acq: 23 Jul 2020 14:08

Tgt Ion: 96 Resp: 77635
 Ion Ratio Lower Upper
 96 100
 61 134.6 94.0 174.6
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

Concen: 89.553 ug/L

RT: 4.73 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VU039637.D

Acq: 23 Jul 2020 14:08

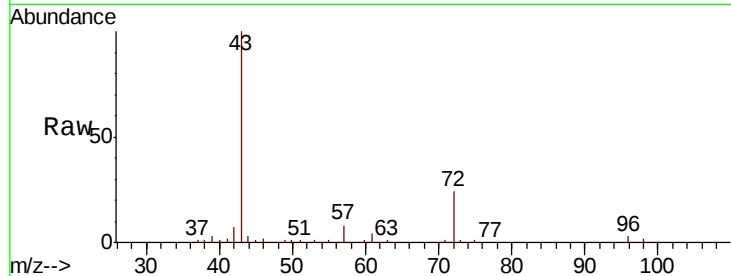
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 144620

Ion Ratio Lower Upper

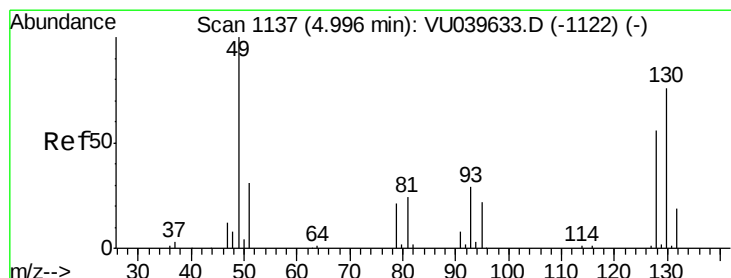
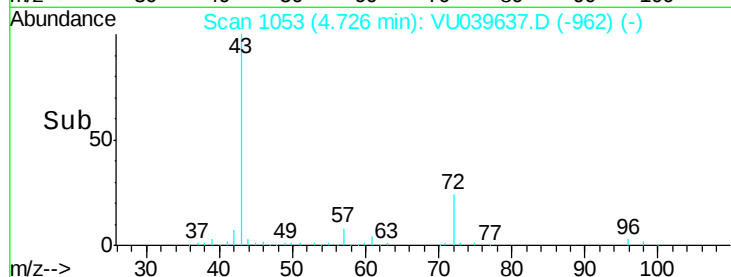
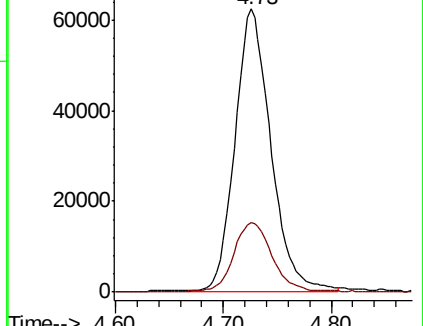
43 100

72 26.3 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VU039637.D (-1037) (-)

Ion 72.00 (71.70 to 72.70): VU039637.D (-1037) (-)



#23

Bromochloromethane

Concen: 46.613 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VU039637.D

Acq: 23 Jul 2020 14:08

Tgt Ion:128 Resp: 38936

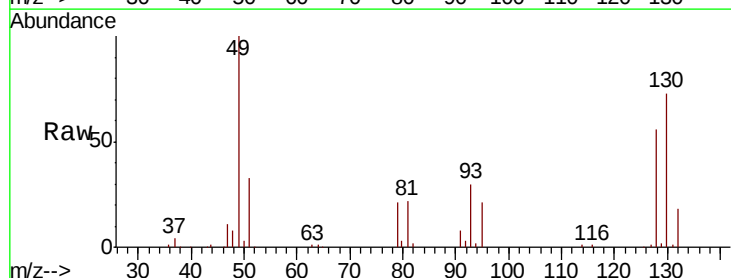
Ion Ratio Lower Upper

128 100

49 177.1 124.5 231.3

130 128.6 94.4 175.2

51 58.4 43.5 65.3

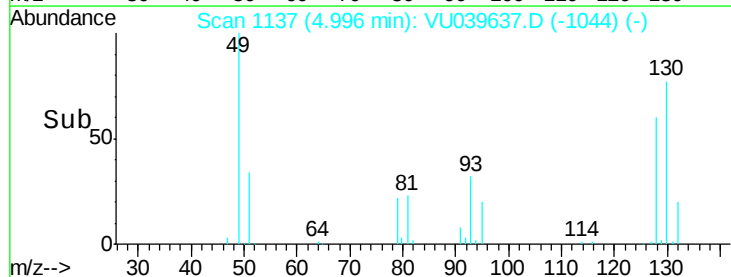
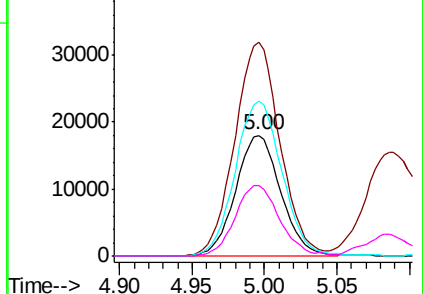


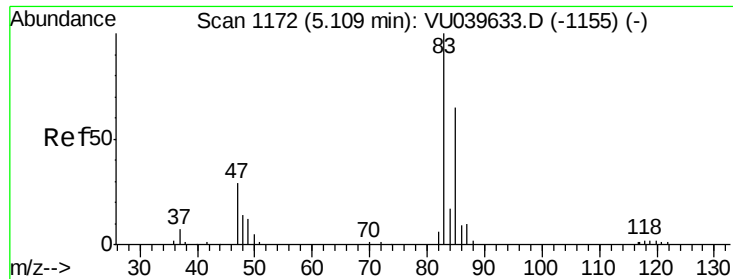
Abundance Ion 128.00 (127.70 to 128.70): VU039637.D (-1122) (-)

Ion 49.00 (48.70 to 49.70): VU039637.D (-1122) (-)

Ion 130.00 (129.70 to 130.70): VU039637.D (-1122) (-)

Ion 51.00 (50.70 to 51.70): VU039637.D (-1122) (-)

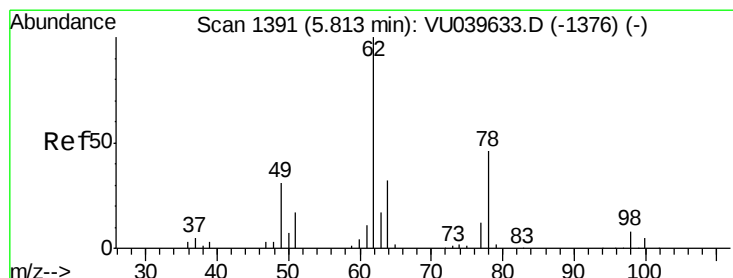
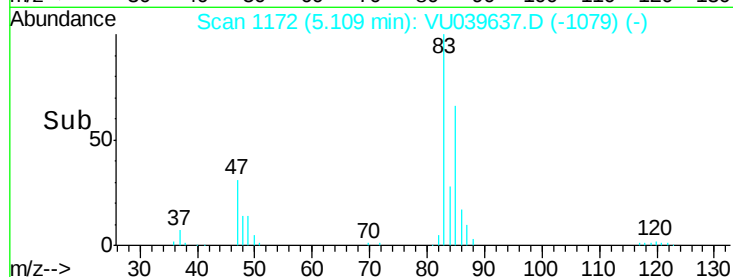
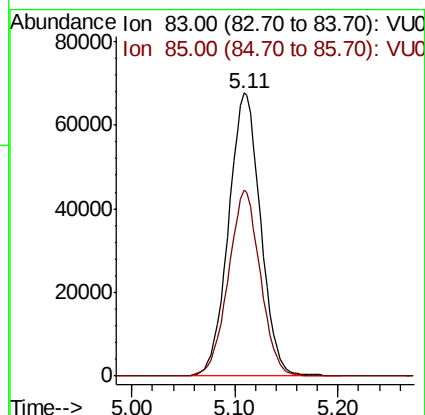
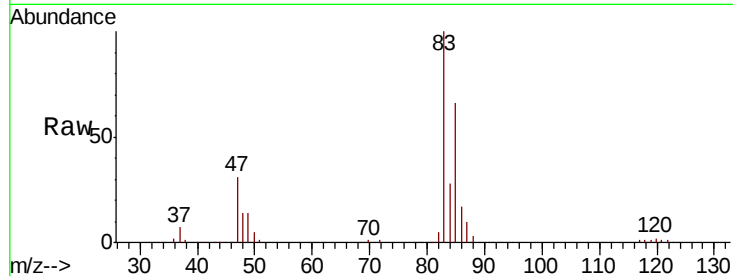




#25
Chloroform
Concen: 46.411 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039637.D
Acq: 23 Jul 2020 14:08

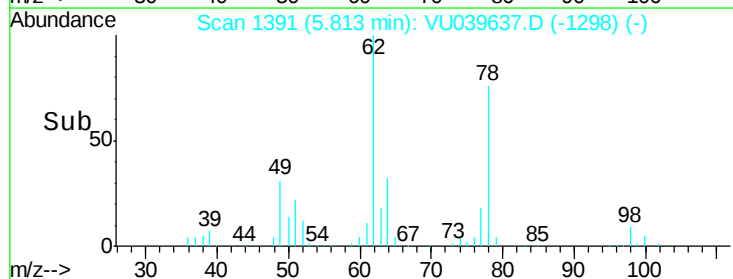
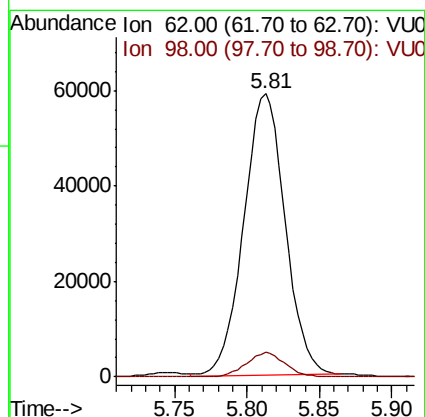
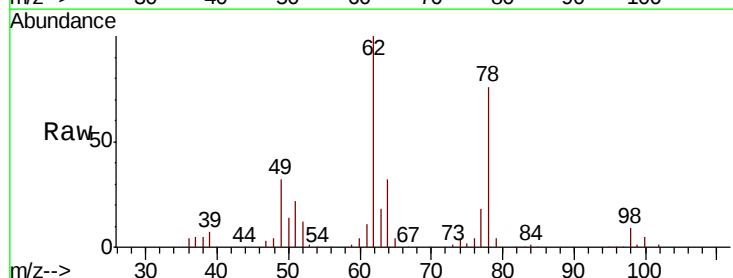
Instrument :
MSVOA_U
ClientSampleId :

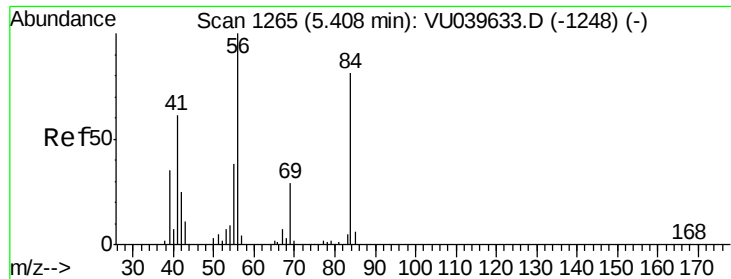
Tot Ion: 83 Resp: 146102
Ion Ratio Lower Upper
83 100
85 65.6 45.6 84.6



#27
1,2-Dichloroethane
Concen: 44.889 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039637.D
Acq: 23 Jul 2020 14:08

Tgt Ion: 62 Resp: 117174
Ion Ratio Lower Upper
62 100
98 8.6 6.4 9.6

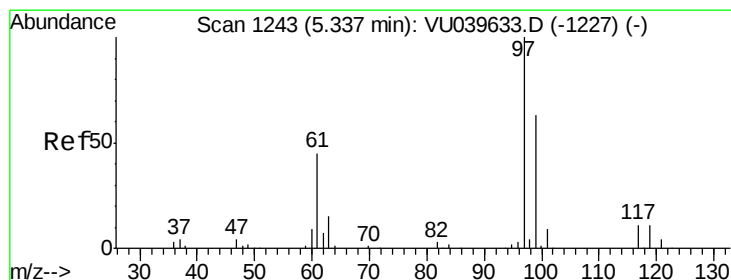
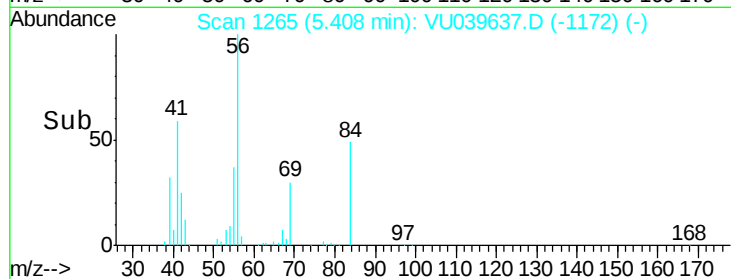
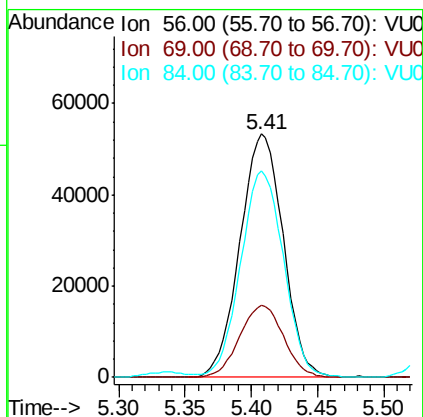
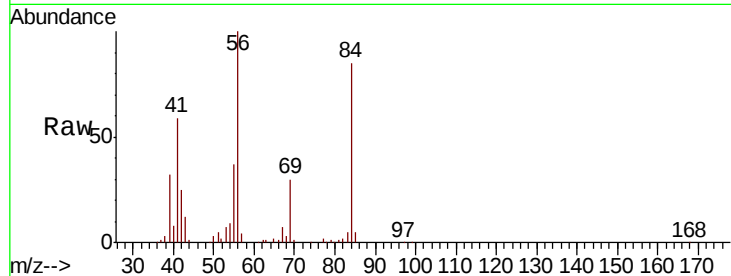




#29
Cyclohexane
Concen: 50.425 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VU039637.D
Acq: 23 Jul 2020 14:08

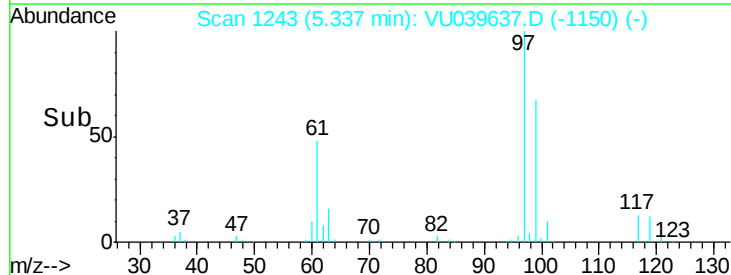
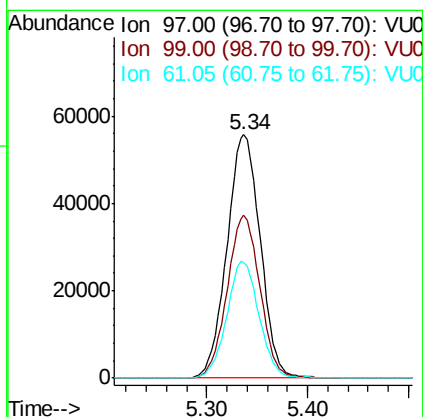
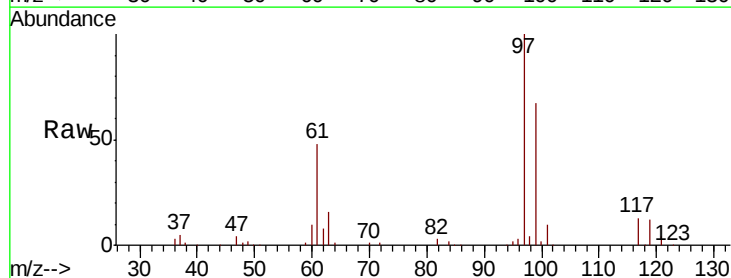
Instrument :
MSVOA_U
ClientSampleId :

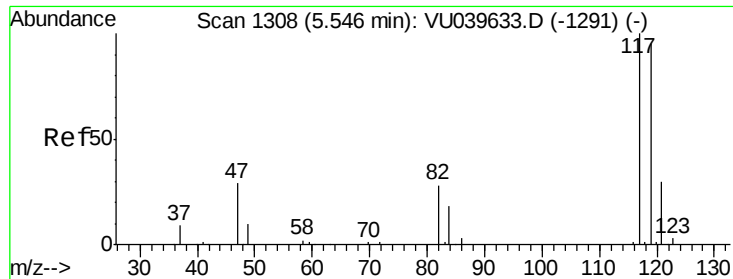
Tot Ion: 56 Resp: 120831
Ion Ratio Lower Upper
56 100
69 30.1 23.9 35.9
84 84.3 65.8 98.8



#30
1,1,1-Trichloroethane
Concen: 48.458 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VU039637.D
Acq: 23 Jul 2020 14:08

Tgt Ion: 97 Resp: 127954
Ion Ratio Lower Upper
97 100
99 65.6 50.3 75.5
61 46.5 36.0 54.0





#31

Carbon tetrachloride

Concen: 51.163 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VU039637.D

Acq: 23 Jul 2020 14:08

Instrument :

MSVOA_U

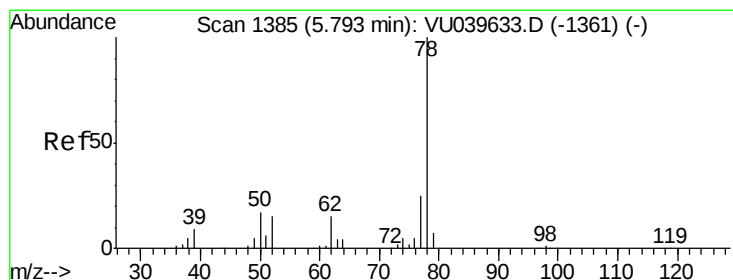
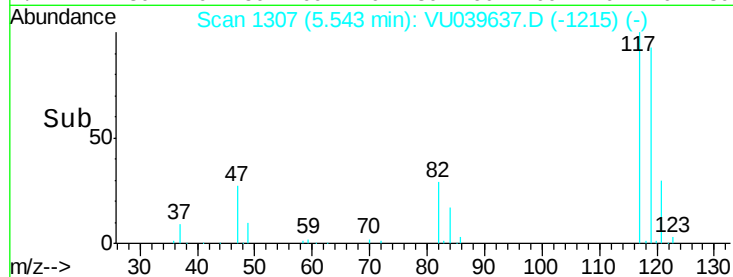
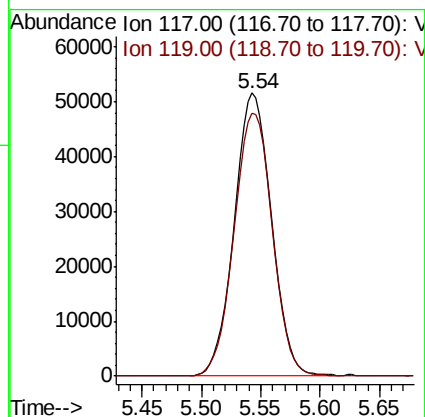
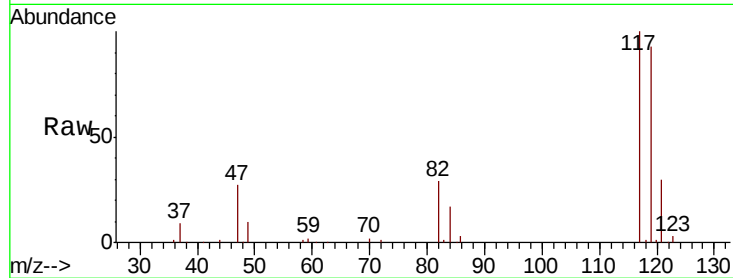
ClientSampled :

Tot Ion:117 Resp: 112064

Ion Ratio Lower Upper

117 100

119 95.5 78.2 117.4



#33

Benzene

Concen: 48.820 ug/L

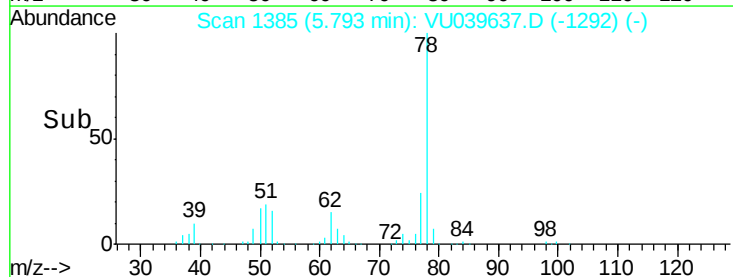
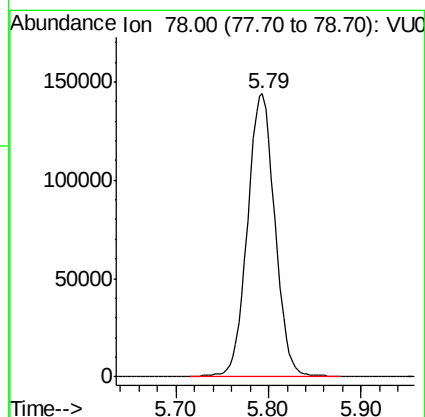
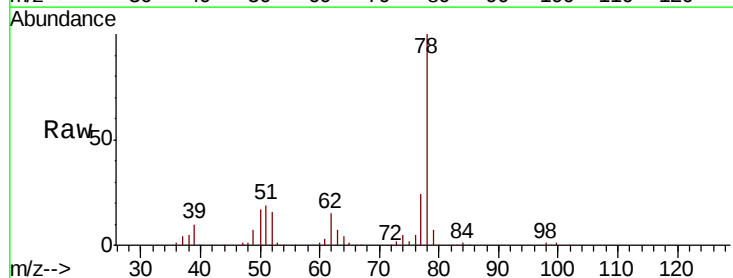
RT: 5.79 min Scan# 1385

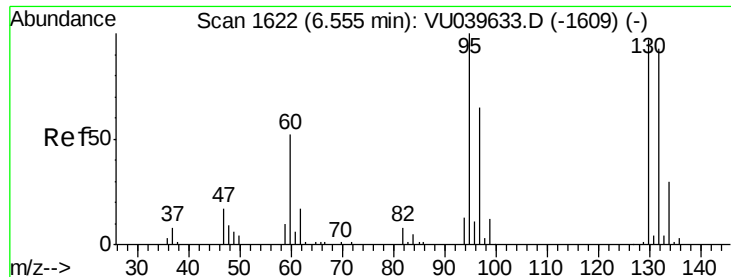
Delta R.T. -0.00 min

Lab File: VU039637.D

Acq: 23 Jul 2020 14:08

Tgt Ion: 78 Resp: 296773

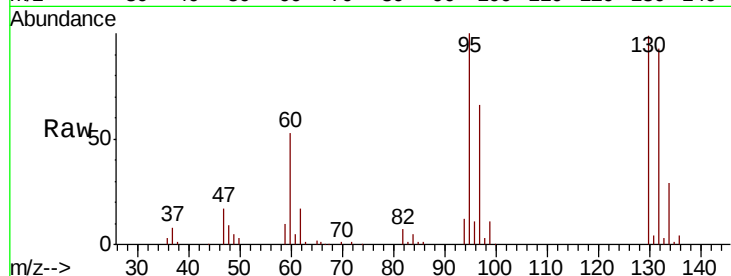




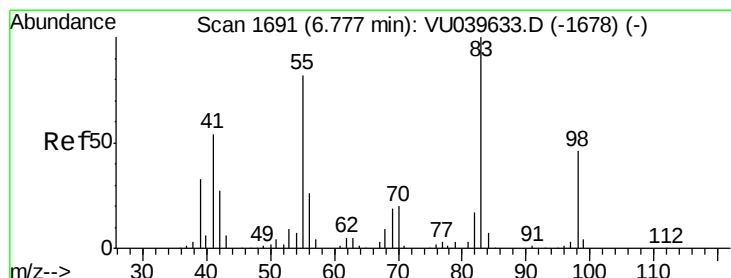
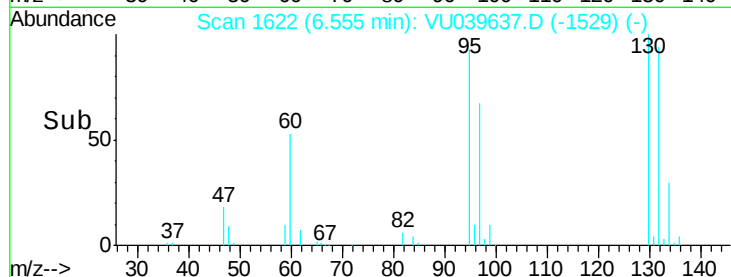
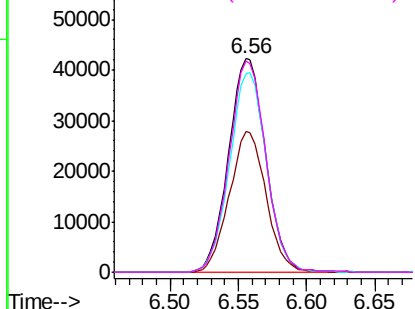
#34
 Trichloroethene
 Concen: 49.764 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: VU039637.D
 Acq: 23 Jul 2020 14:08

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 80015
 Ion Ratio Lower Upper
 95 100
 97 66.1 45.5 84.5
 132 93.2 65.0 120.6
 130 98.7 67.9 126.1

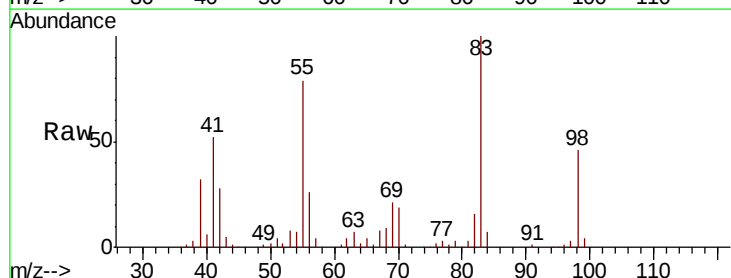


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

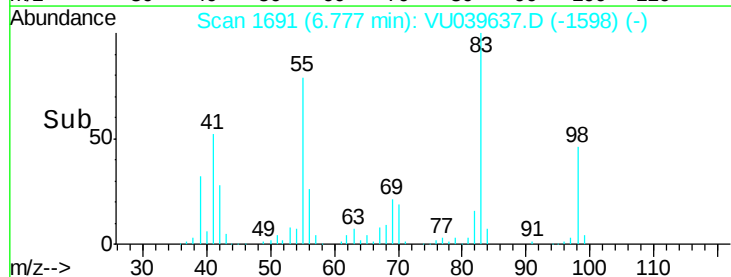
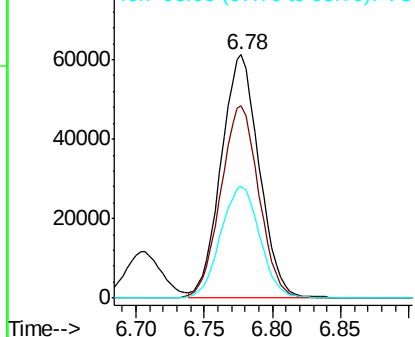


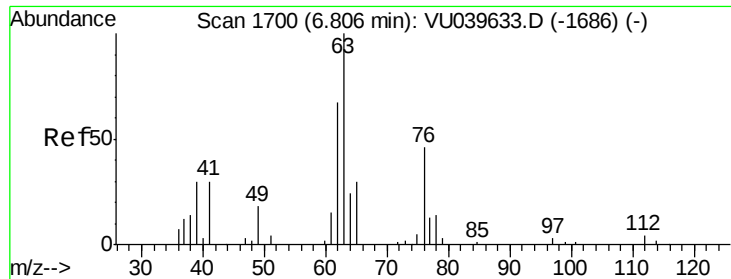
#35
 Methylcyclohexane
 Concen: 47.725 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: VU039637.D
 Acq: 23 Jul 2020 14:08

Tgt Ion: 83 Resp: 118650
 Ion Ratio Lower Upper
 83 100
 55 79.2 62.9 94.3
 98 47.2 36.3 54.5



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

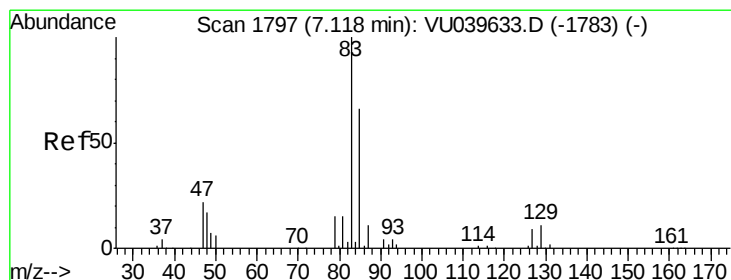
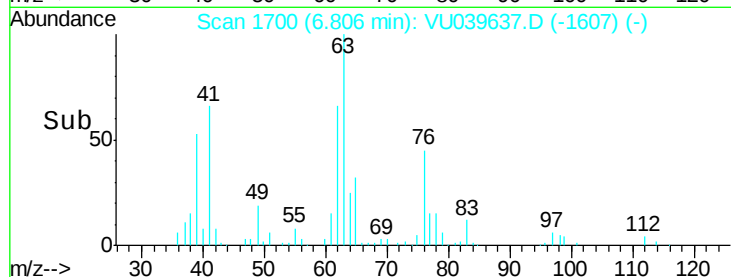
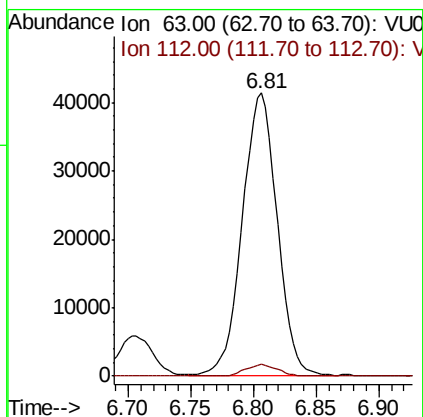
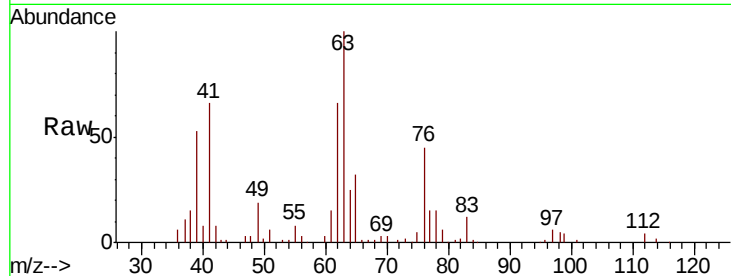




#37
 1,2-Dichloropropane
 Concen: 48.969 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VU039637.D
 Acq: 23 Jul 2020 14:08

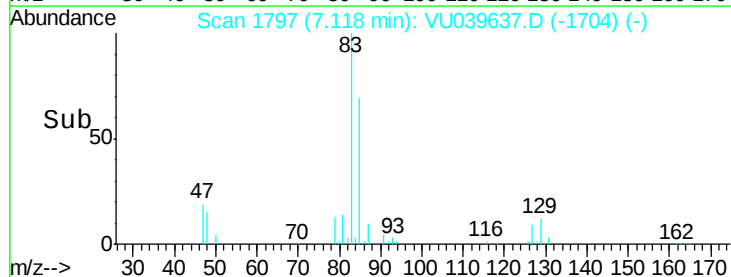
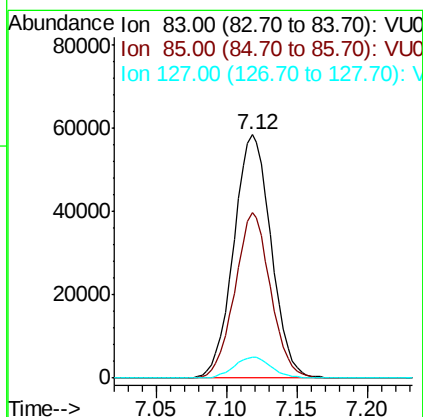
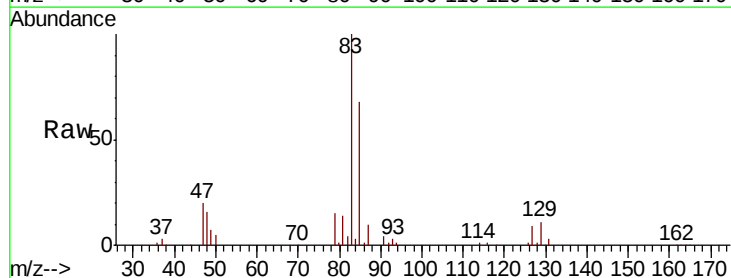
Instrument :
 MSVOA_U
 ClientSampled :

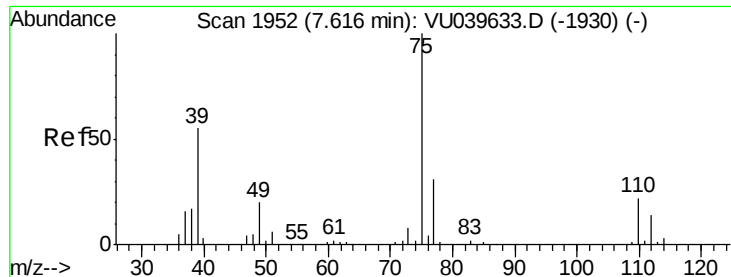
Tot Ion: 63 Resp: 80592
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.4



#38
 Bromodichloromethane
 Concen: 49.735 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039637.D
 Acq: 23 Jul 2020 14:08

Tgt Ion: 83 Resp: 108706
 Ion Ratio Lower Upper
 83 100
 85 68.0 45.9 85.3
 127 8.6 7.4 11.2

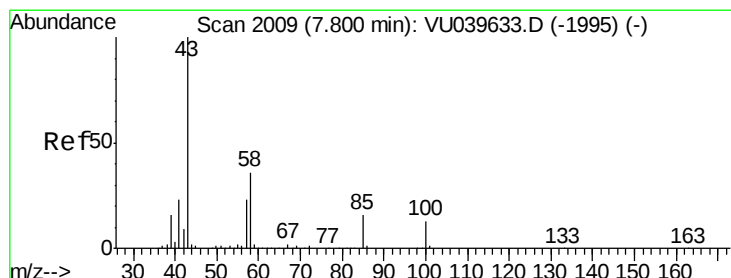
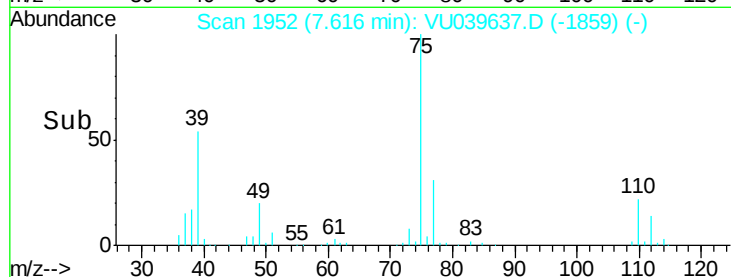
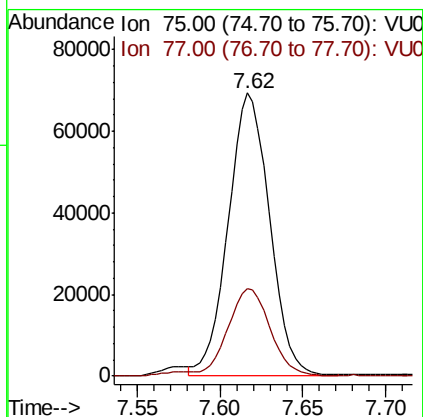
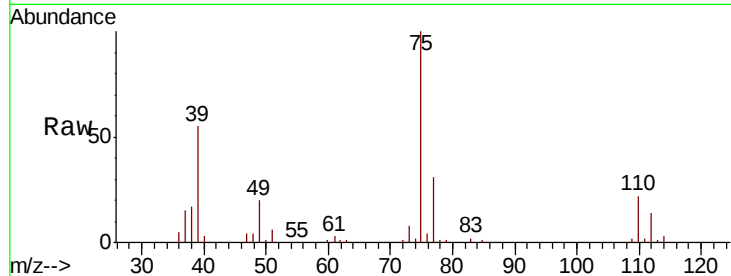




#39
 cis-1,3-Dichloropropene
 Concen: 48.952 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039637.D
 Acq: 23 Jul 2020 14:08

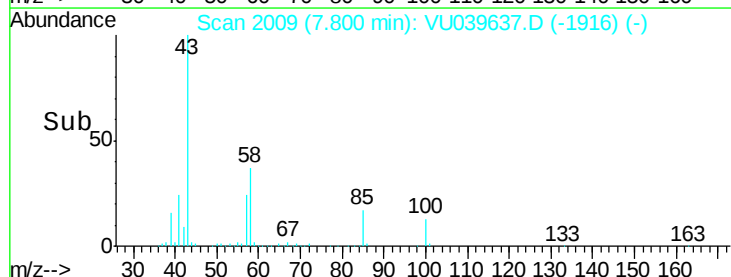
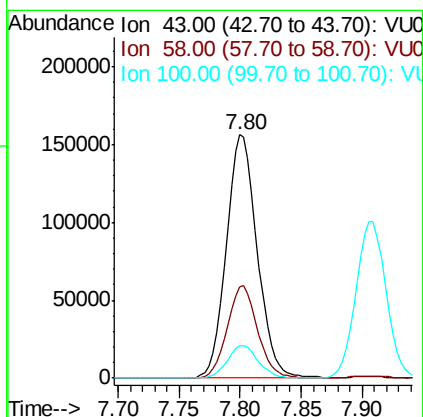
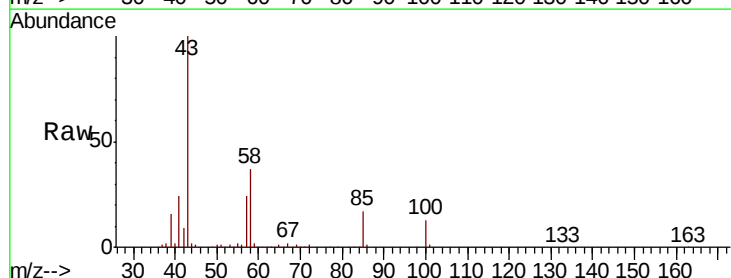
Instrument :
 MSVOA_U
 ClientSampleId :

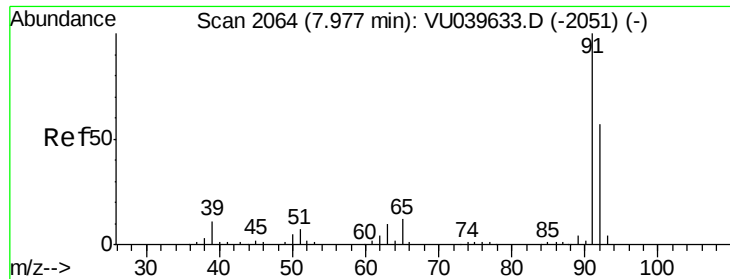
Tot Ion: 75 Resp: 120402
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 96.398 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU039637.D
 Acq: 23 Jul 2020 14:08

Tgt Ion: 43 Resp: 276392
 Ion Ratio Lower Upper
 43 100
 58 37.2 29.1 43.7
 100 13.5 10.6 16.0





#42

Toluene

Concen: 49.228 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039637.D

Acq: 23 Jul 2020 14:08

Instrument :

MSVOA_U

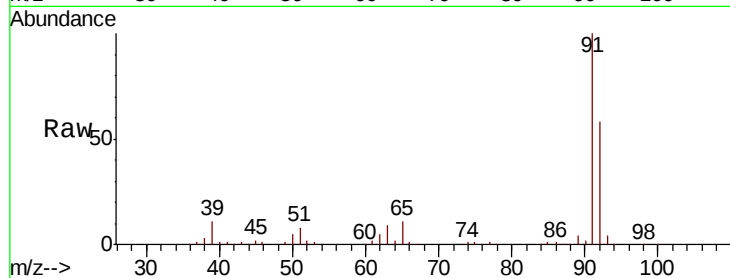
ClientSampleId :

Tot Ion: 91 Resp: 329089

Ion Ratio Lower Upper

91 100

92 58.3 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VU039637.D (-1971) (-)

Ion 92.00 (91.70 to 92.70): VU039637.D (-1971) (-)

7.98

200000

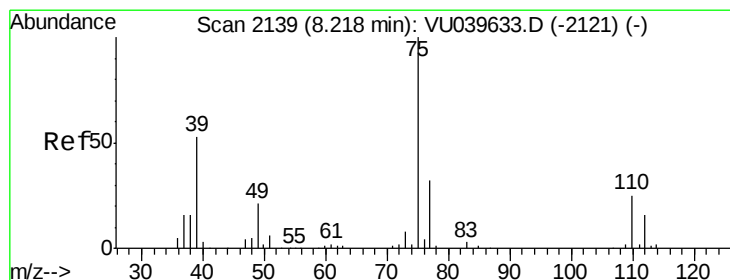
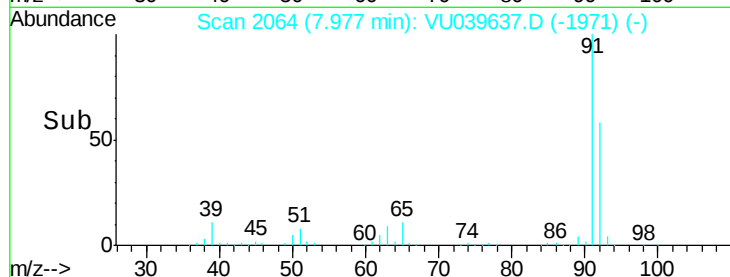
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.824 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039637.D

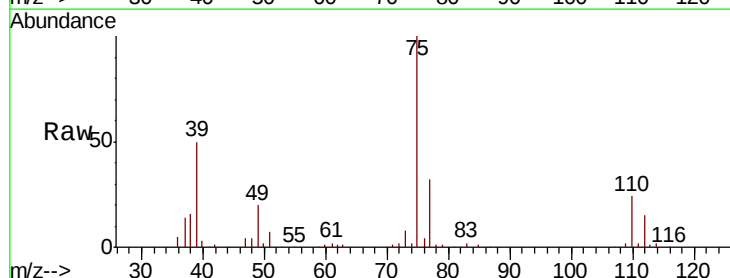
Acq: 23 Jul 2020 14:08

Tgt Ion: 75 Resp: 122418

Ion Ratio Lower Upper

75 100

77 32.1 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU039637.D (-2046) (-)

Ion 77.00 (76.70 to 77.70): VU039637.D (-2046) (-)

8.22

80000

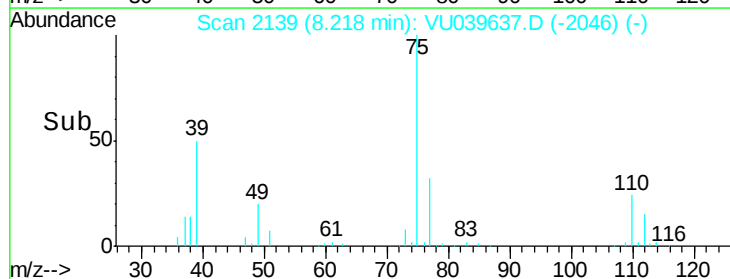
60000

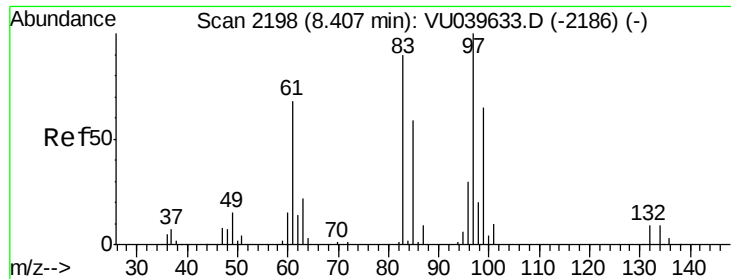
40000

20000

0

Time-->

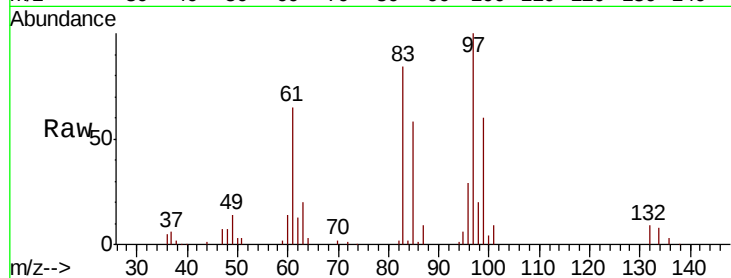




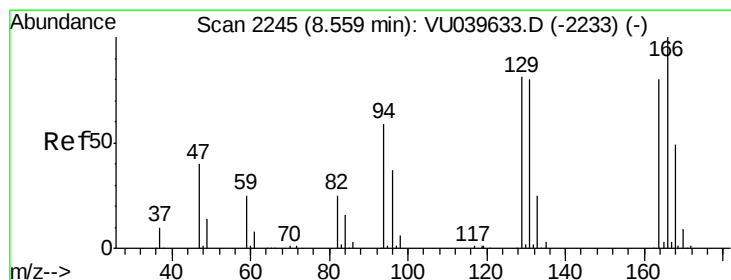
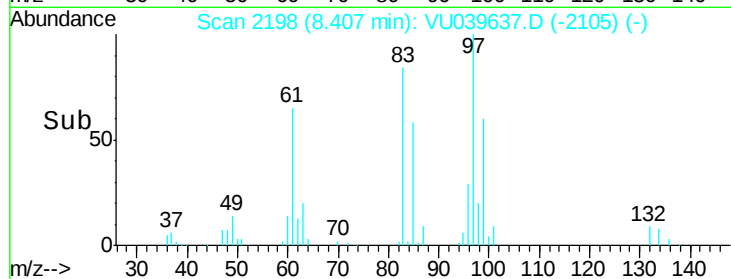
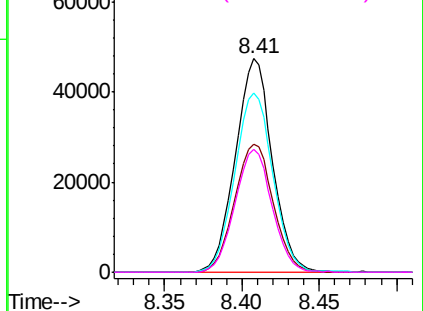
#45
1,1,2-Trichloroethane
Concen: 50.021 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VU039637.D
Acq: 23 Jul 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	78506
Ion	Ratio	Lower	Upper
97	100		
99	60.1	45.1	83.9
83	84.1	62.7	116.5
85	57.8	41.0	76.2

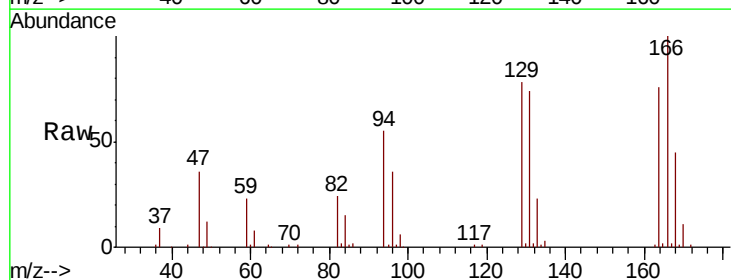


Abundance Ion 97.00 (96.70 to 97.70): VU039637.D (-2198) (-)

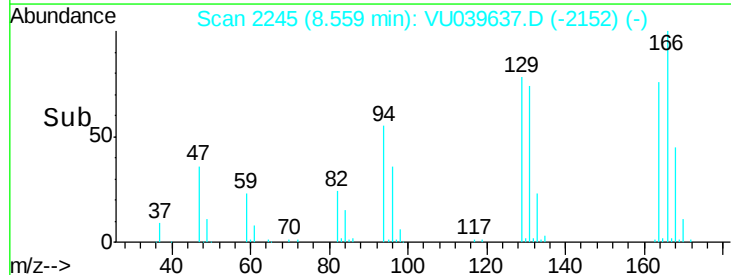
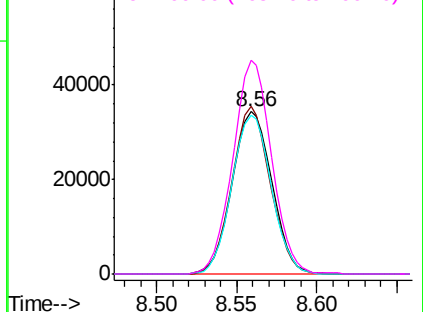


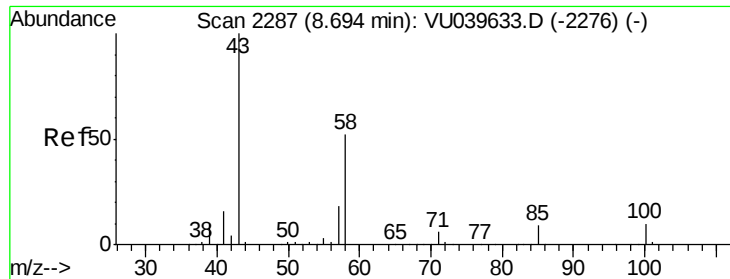
#46
Tetrachloroethene
Concen: 48.008 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU039637.D
Acq: 23 Jul 2020 14:08

Tgt Ion:	164	Resp:	58388
Ion	Ratio	Lower	Upper
164	100		
129	103.4	71.1	132.1
131	97.9	70.3	130.5
166	131.8	87.8	163.0



Abundance Ion 164.00 (163.70 to 164.70): VU039637.D (-2245) (-)

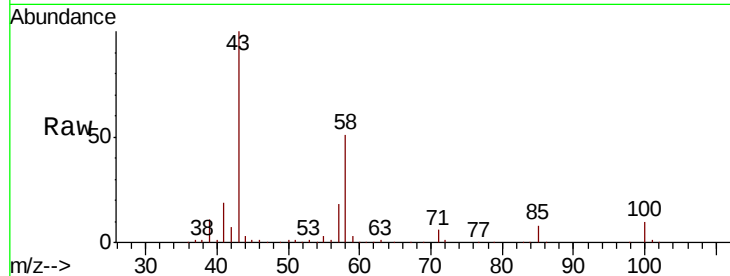




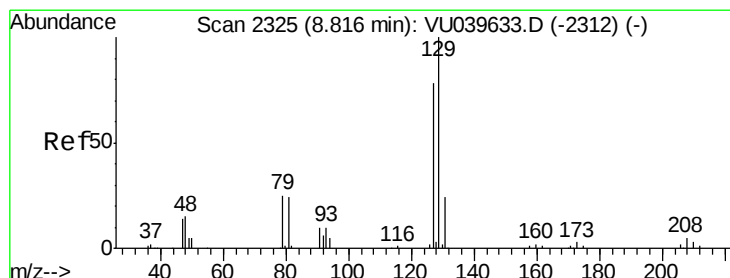
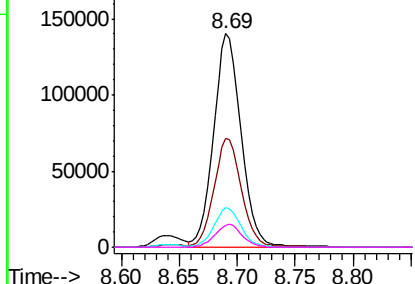
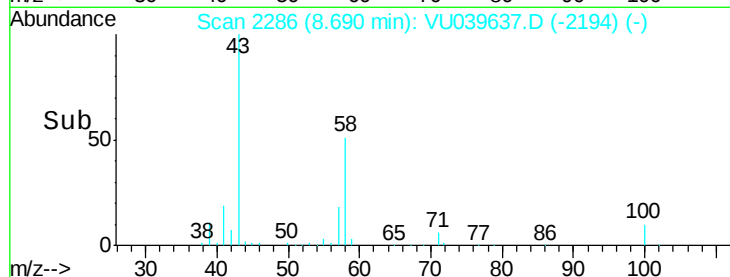
#48
2-Hexanone
Concen: 99.885 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039637.D
Acq: 23 Jul 2020 14:08

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 233358
Ion Ratio Lower Upper
43 100
58 50.2 40.6 61.0
57 18.1 14.5 21.7
100 10.5 8.0 12.0

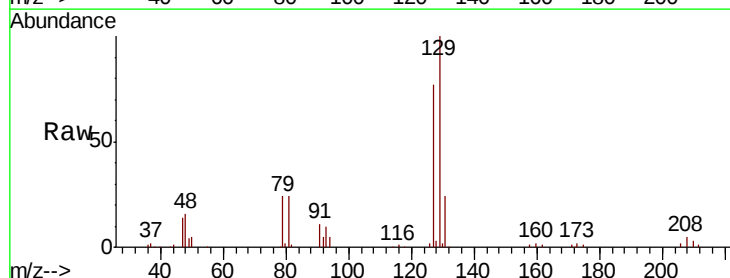


Abundance Ion 43.00 (42.70 to 43.70): VU039637.D (-2194) (-)
Ion 58.00 (57.70 to 58.70): VU039637.D (-2194) (-)
Ion 57.00 (56.70 to 57.70): VU039637.D (-2194) (-)
Ion 100.00 (99.70 to 100.70): VU039637.D (-2194) (-)

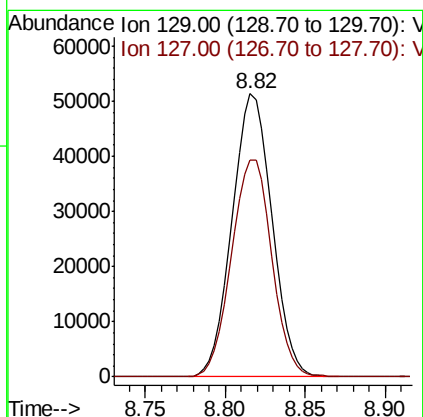
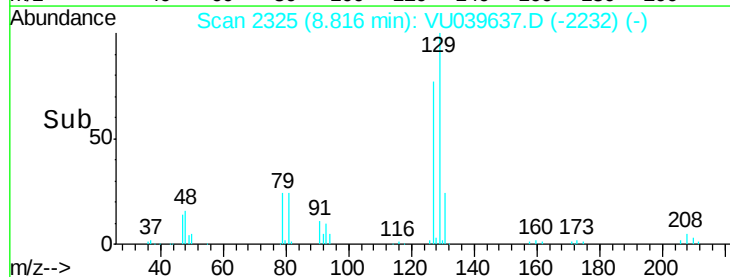


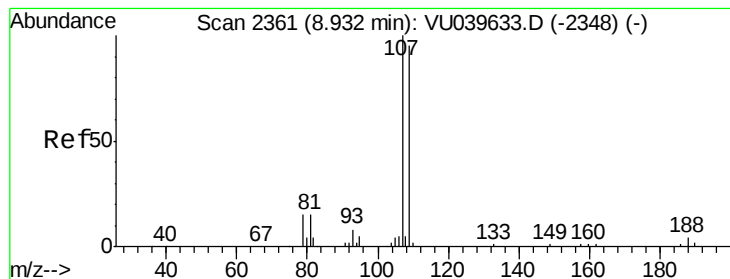
#49
Dibromochloromethane
Concen: 49.292 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039637.D
Acq: 23 Jul 2020 14:08

Tgt Ion: 129 Resp: 87349
Ion Ratio Lower Upper
129 100
127 76.6 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): VU039637.D (-2232) (-)
Ion 127.00 (126.70 to 127.70): VU039637.D (-2232) (-)





#50

1,2-Dibromoethane

Concen: 49.358 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. -0.00 min

Lab File: VU039637.D

Acq: 23 Jul 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

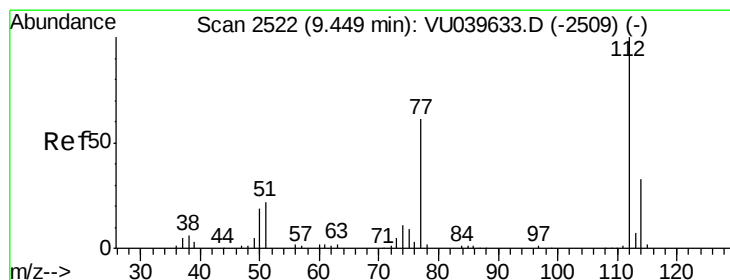
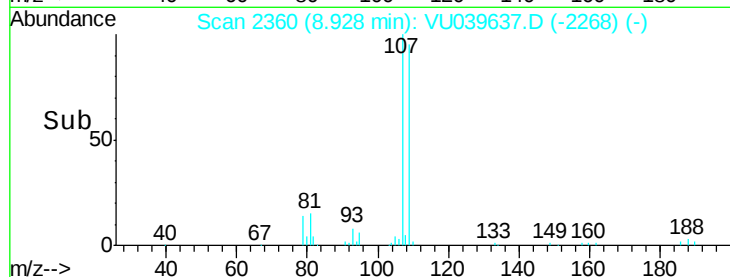
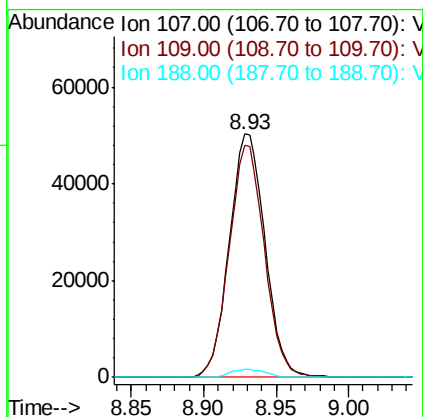
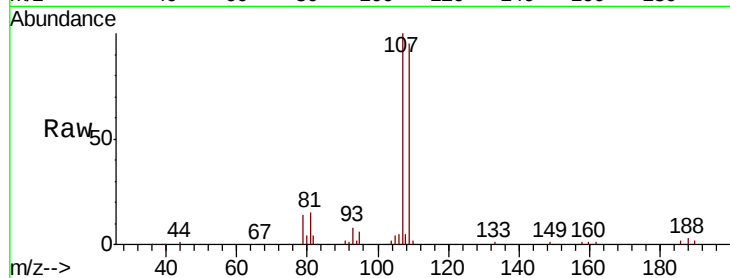
Tot Ion:107 Resp: 86185

Ion Ratio Lower Upper

107 100

109 95.5 66.8 124.2

188 3.1 3.0 4.4



#51

Chlorobenzene

Concen: 48.932 ug/L

RT: 9.45 min Scan# 2523

Delta R.T. 0.00 min

Lab File: VU039637.D

Acq: 23 Jul 2020 14:08

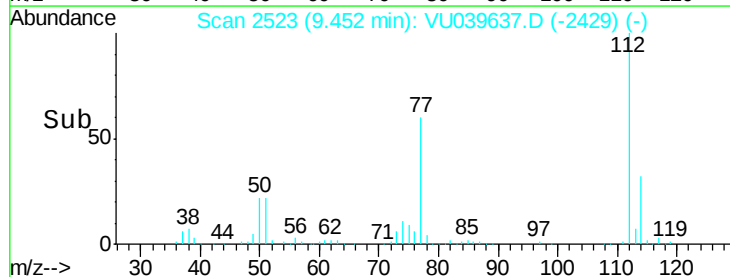
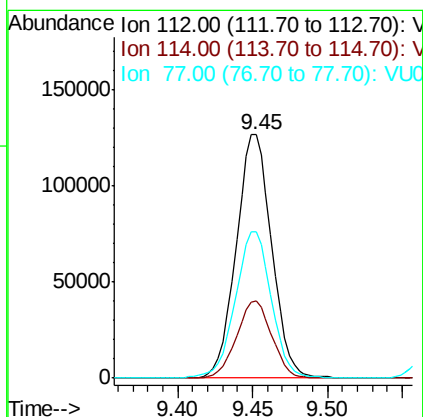
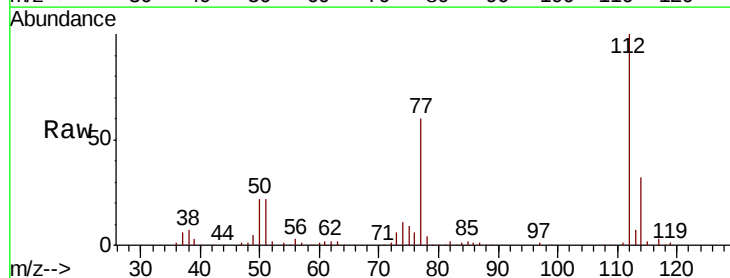
Tgt Ion:112 Resp: 208723

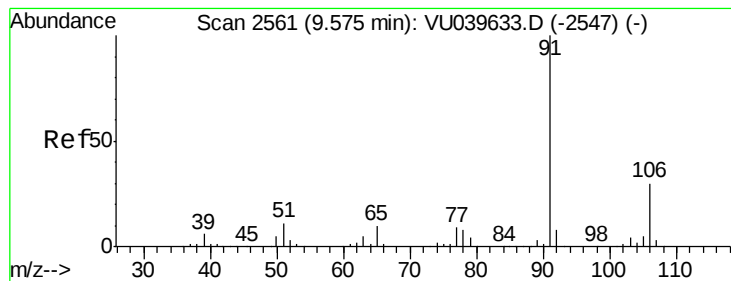
Ion Ratio Lower Upper

112 100

114 31.7 22.9 42.5

77 60.1 49.4 74.0





#52

Ethylbenzene

Concen: 49.959 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039637.D

Acq: 23 Jul 2020 14:08

Instrument :

MSVOA_U

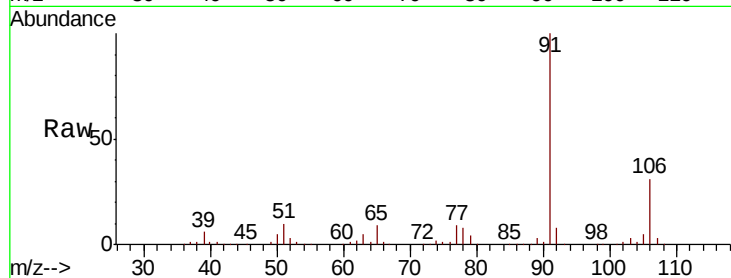
ClientSampleId :

Tot Ion: 91 Resp: 369070

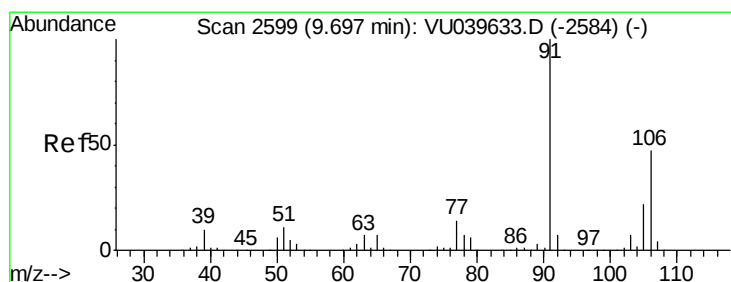
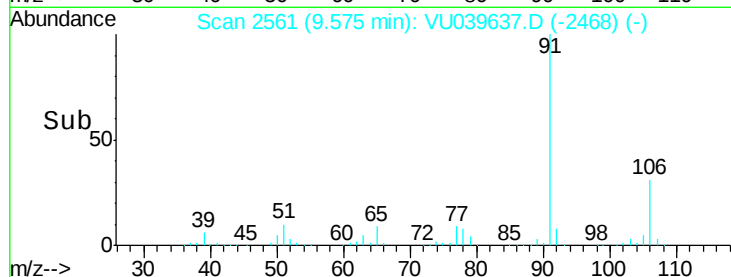
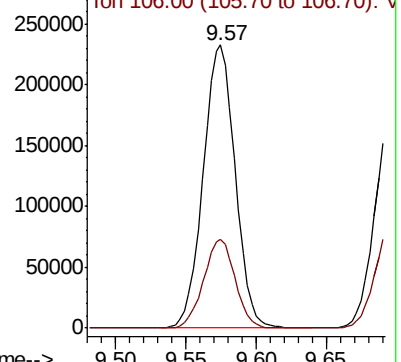
Ion Ratio Lower Upper

91 100

106 31.4 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU039637.D (-2547) (-)



#53

m,p-Xylene

Concen: 50.745 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039637.D

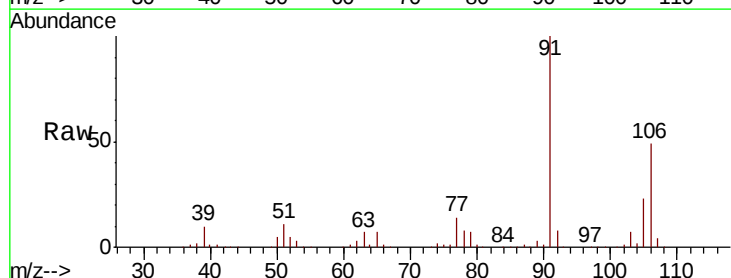
Acq: 23 Jul 2020 14:08

Tgt Ion: 106 Resp: 141309

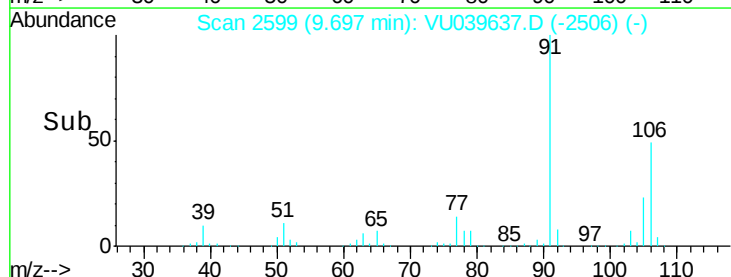
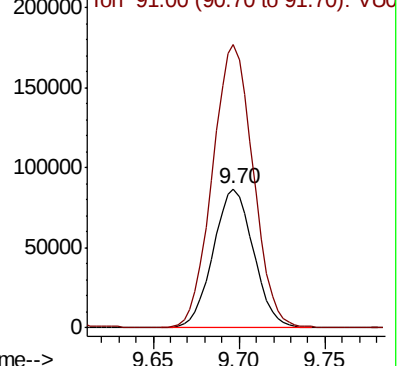
Ion Ratio Lower Upper

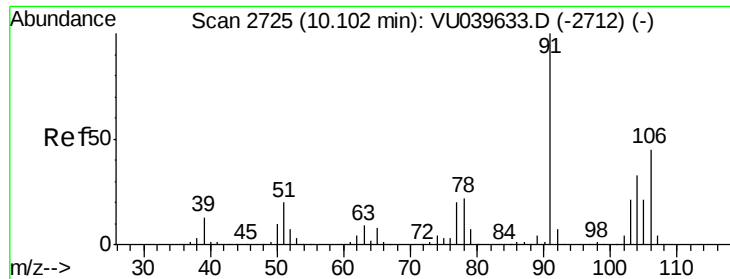
106 100

91 204.0 149.7 277.9



Abundance Ion 106.00 (105.70 to 106.70): VU039637.D (-2599) (-)





#54

o-xylene

Concen: 52.026 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU039637.D

Acq: 23 Jul 2020 14:08

Instrument :

MSVOA_U

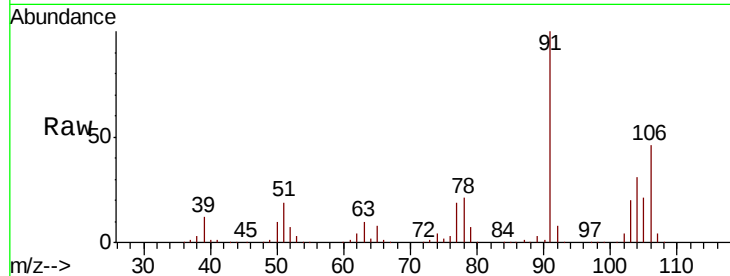
ClientSampled :

Tot Ion:106 Resp: 139032

Ion Ratio Lower Upper

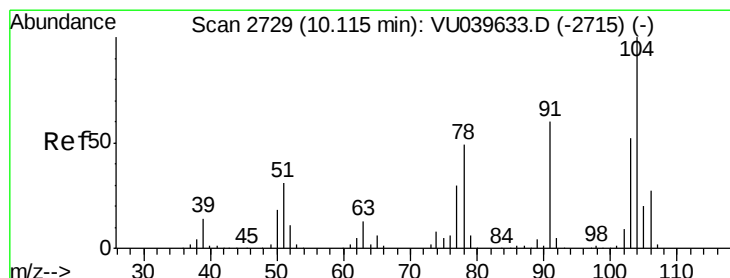
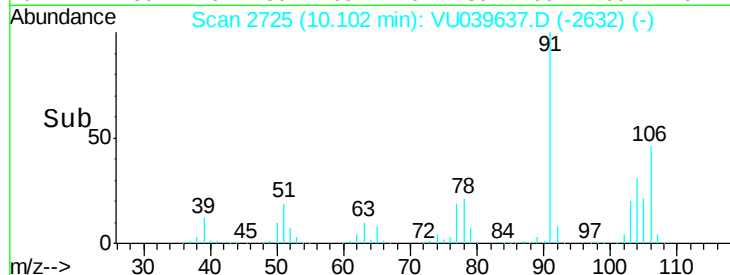
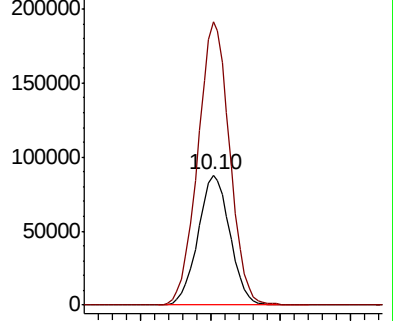
106 100

91 217.7 155.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 52.349 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU039637.D

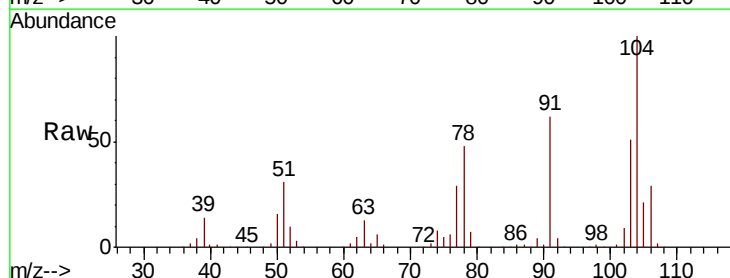
Acq: 23 Jul 2020 14:08

Tgt Ion:104 Resp: 242088

Ion Ratio Lower Upper

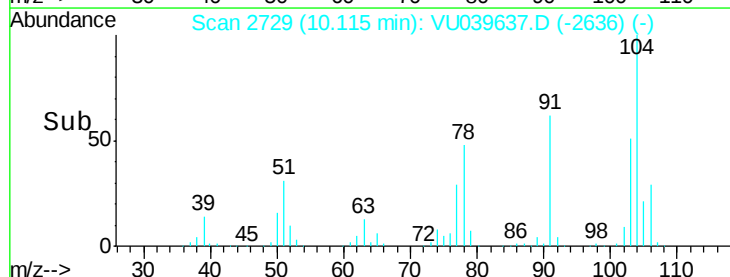
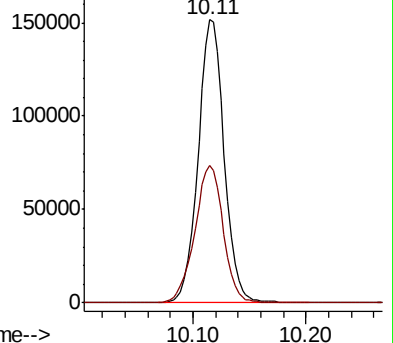
104 100

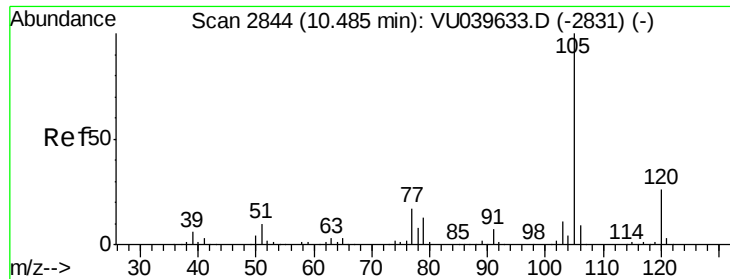
78 48.4 34.3 63.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 51.533 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039637.D

Acq: 23 Jul 2020 14:08

Instrument :

MSVOA_U

ClientSampled :

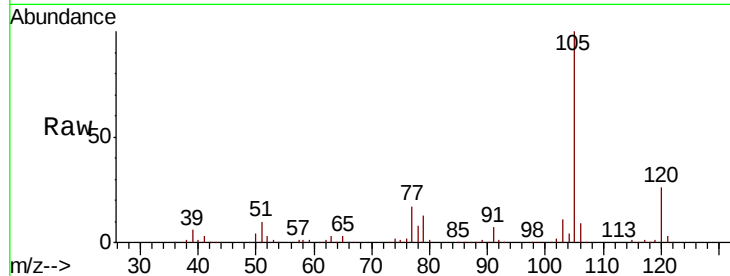
Tot Ion:105 Resp: 373865

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

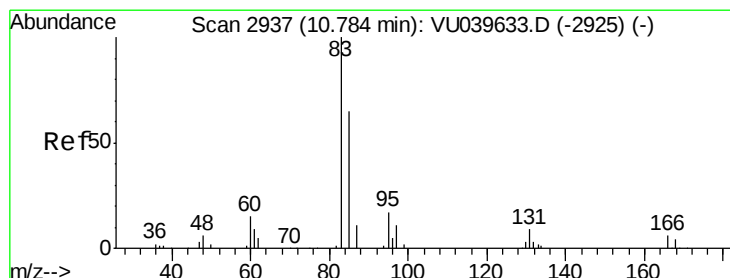
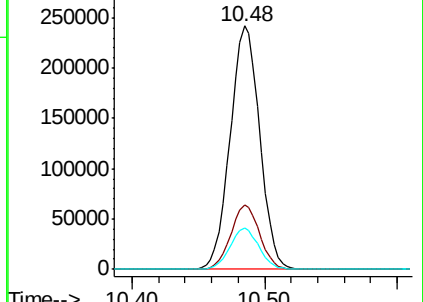
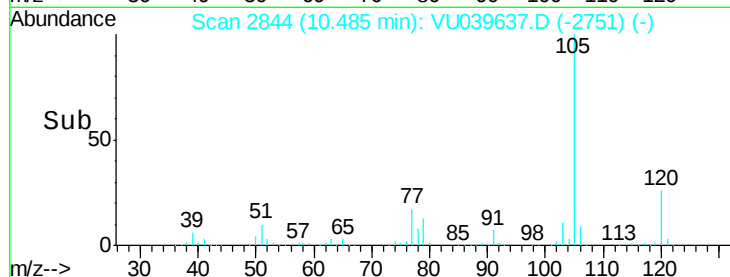
77 16.6 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 48.559 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039637.D

Acq: 23 Jul 2020 14:08

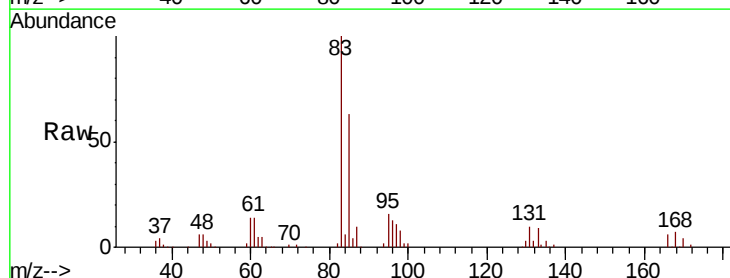
Tgt Ion: 83 Resp: 138910

Ion Ratio Lower Upper

83 100

85 62.5 46.4 86.2

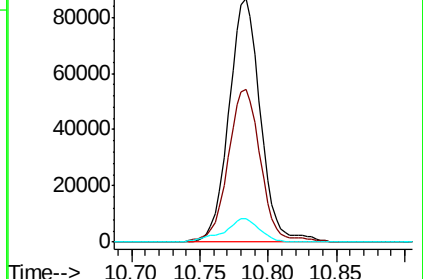
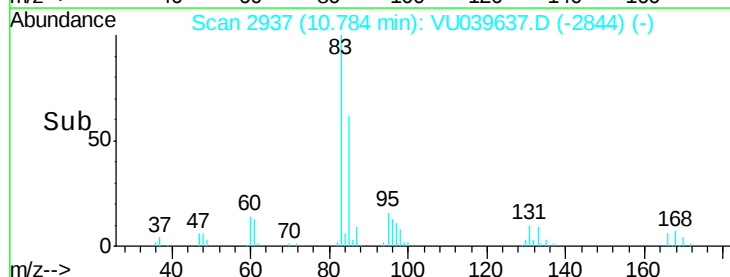
131 9.5 7.8 11.6

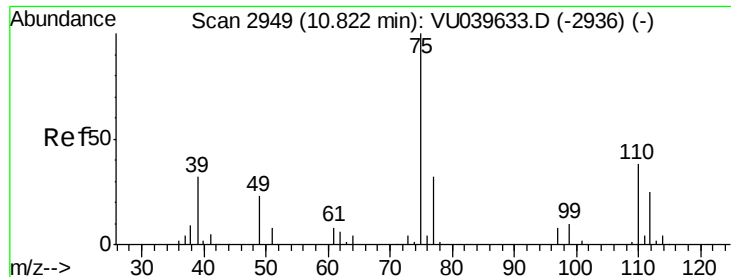


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.599 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU039637.D

Acq: 23 Jul 2020 14:08

Instrument :

MSVOA_U

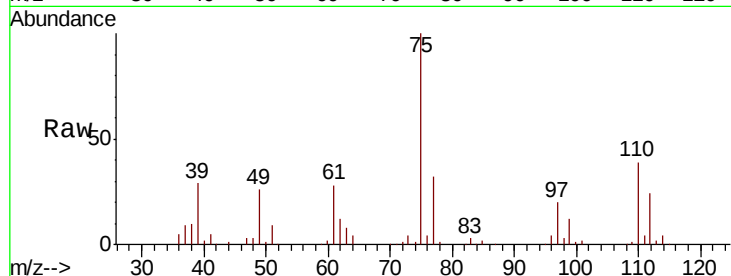
ClientSampleId :

Tot Ion: 75 Resp: 113670

Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU039637.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU039637.D (-2936) (-)

10.82

80000

60000

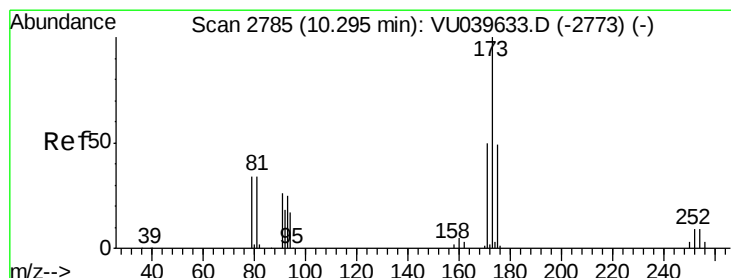
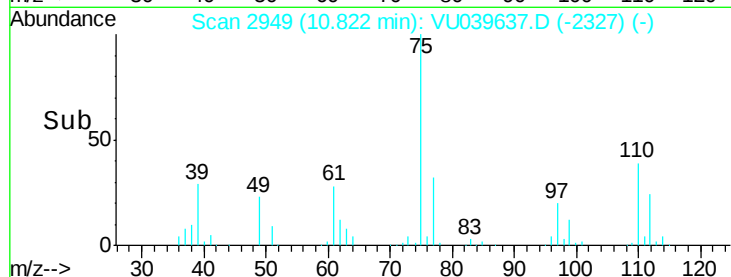
40000

20000

0

Time-->

10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 49.971 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. -0.00 min

Lab File: VU039637.D

Acq: 23 Jul 2020 14:08

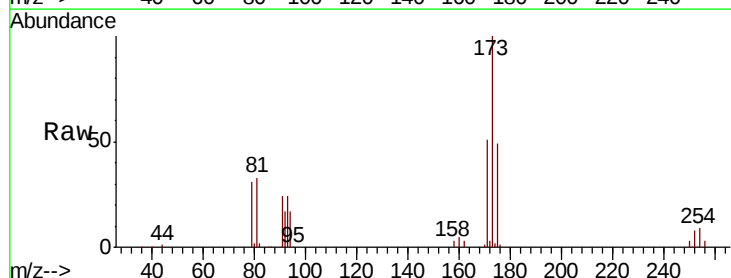
Tgt Ion: 173 Resp: 68411

Ion Ratio Lower Upper

173 100

175 48.8 38.4 57.6

254 9.2 7.0 10.6



Abundance Ion 173.00 (172.70 to 173.70): VU039637.D (-2773) (-)

Ion 175.00 (174.70 to 175.70): VU039637.D (-2773) (-)

Ion 254.00 (253.70 to 254.70): VU039637.D (-2773) (-)

10.29

50000

40000

30000

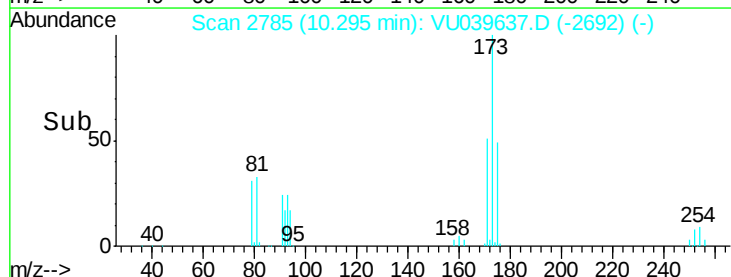
20000

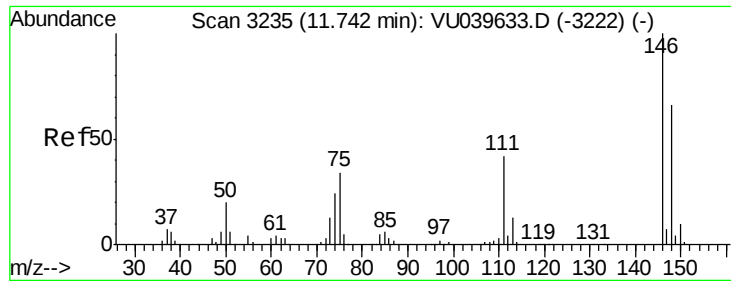
10000

0

Time-->

10.25 10.30 10.35

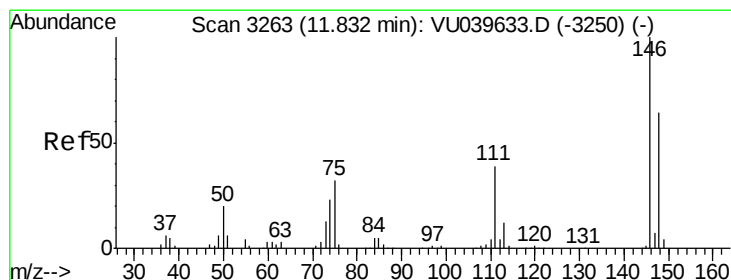
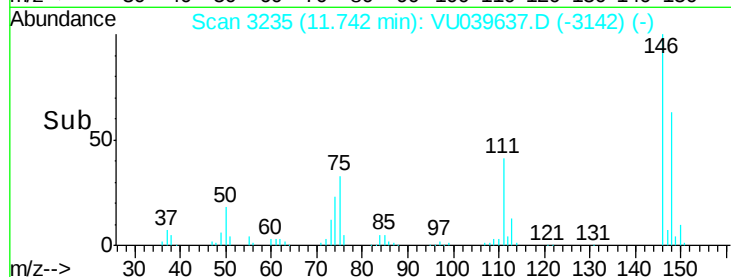
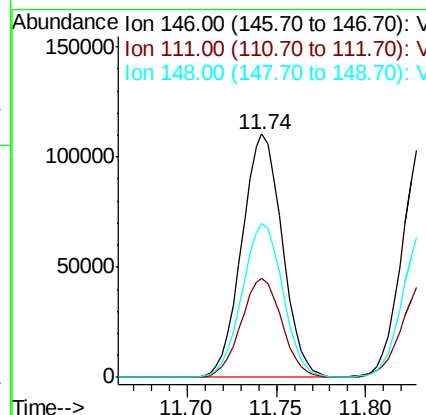
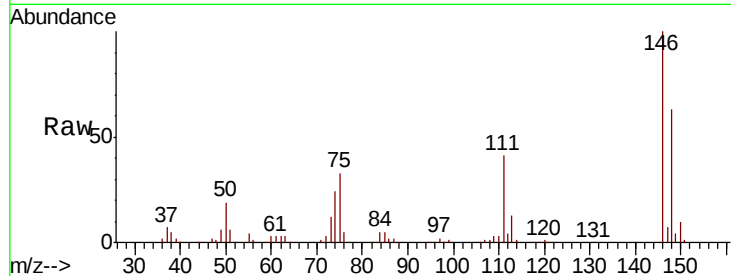




#62
 1,3-Dichlorobenzene
 Concen: 49.162 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039637.D
 Acq: 23 Jul 2020 14:08

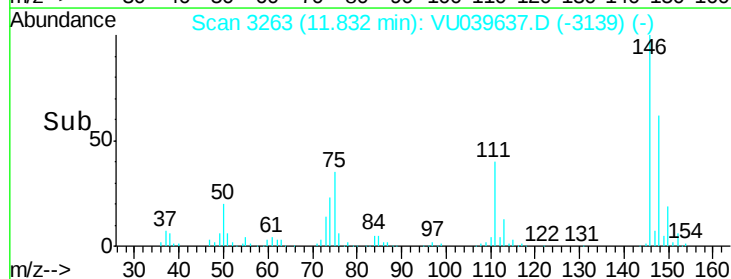
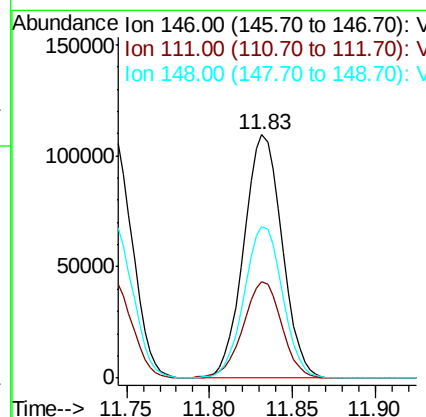
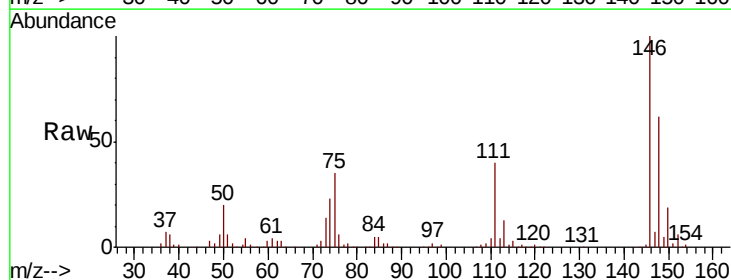
Instrument :
 MSVOA_U
 ClientSampled :

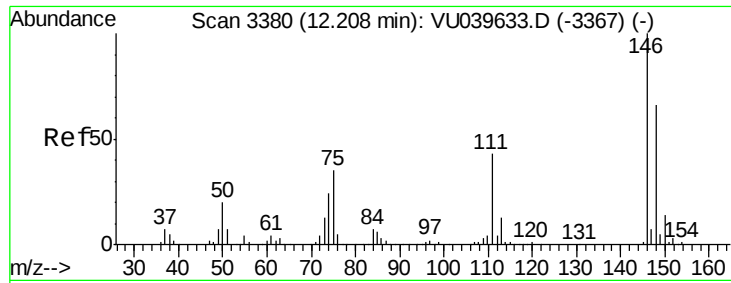
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	29.3	54.3
148	63.3	46.1	85.5



#63
 1,4-Dichlorobenzene
 Concen: 49.633 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039637.D
 Acq: 23 Jul 2020 14:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	27.8	51.6
148	62.2	44.7	83.1

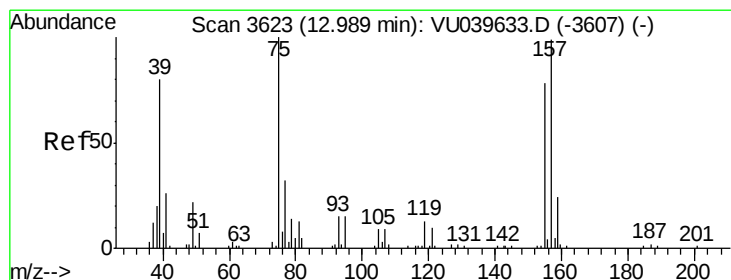
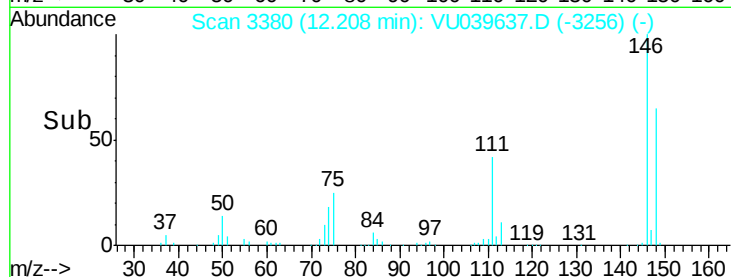
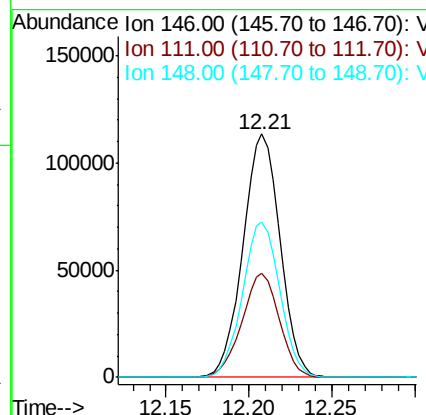
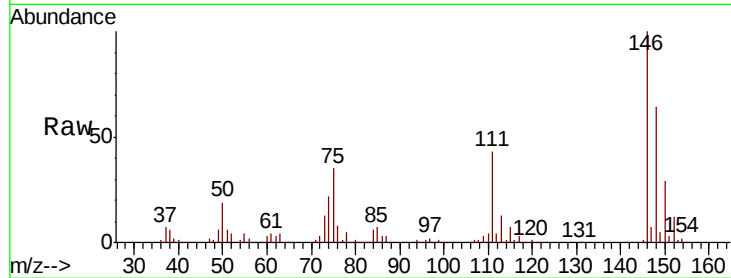




#65
 1,2-Dichlorobenzene
 Concen: 49.379 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039637.D
 Acq: 23 Jul 2020 14:08

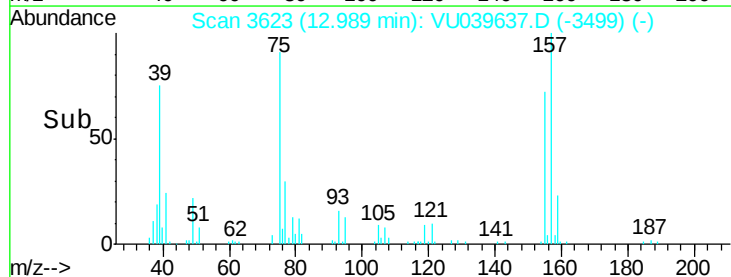
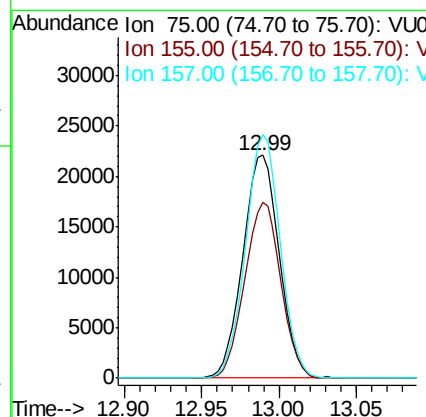
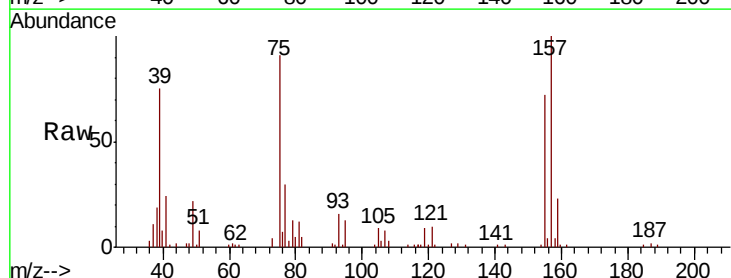
Instrument :
 MSVOA_U
 ClientSampled :

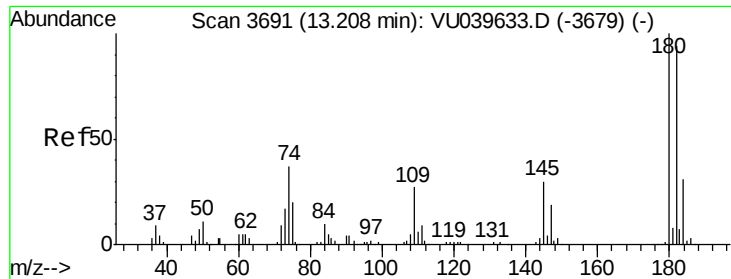
Tot Ion:146 Resp: 176898
 Ion Ratio Lower Upper
 146 100
 111 42.9 34.8 52.2
 148 63.9 52.5 78.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.476 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU039637.D
 Acq: 23 Jul 2020 14:08

Tgt Ion: 75 Resp: 36174
 Ion Ratio Lower Upper
 75 100
 155 79.0 62.4 93.6
 157 109.4 78.9 118.3

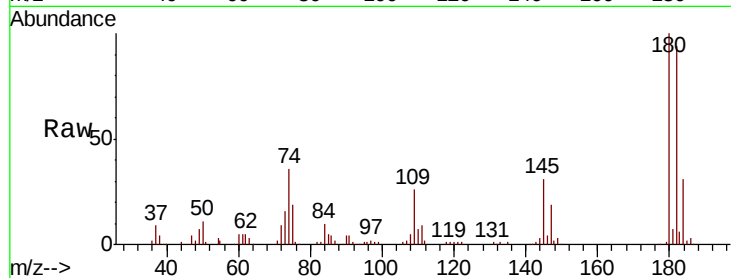




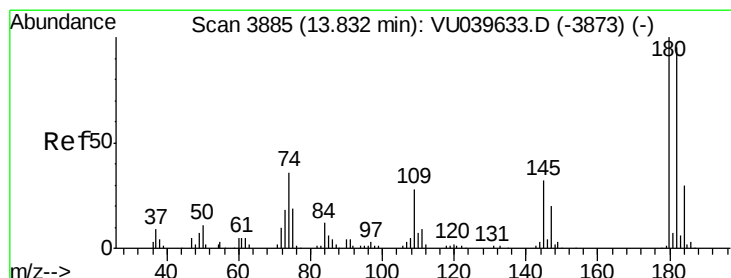
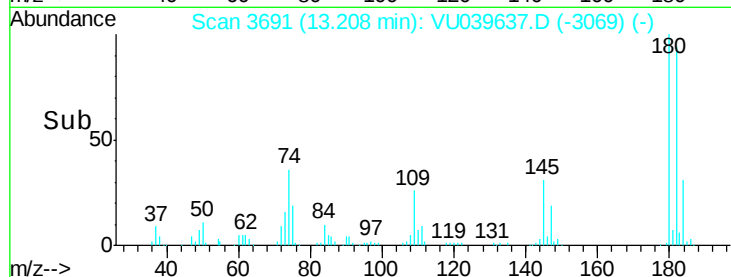
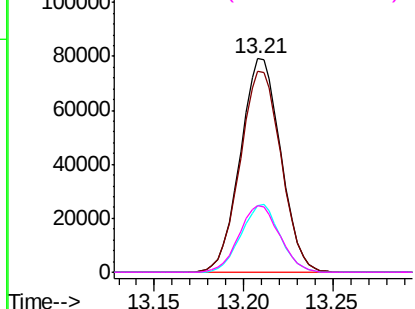
#67
 1,3,5-Trichlorobenzene
 Concen: 49.092 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU039637.D
 Acq: 23 Jul 2020 14:08

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 125513
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.7 113.5
 184 30.7 24.2 36.2
 145 31.3 24.6 36.8

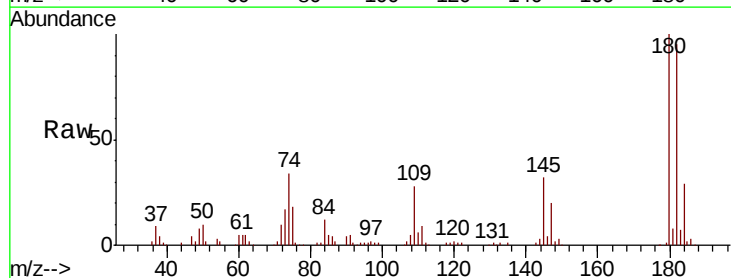


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

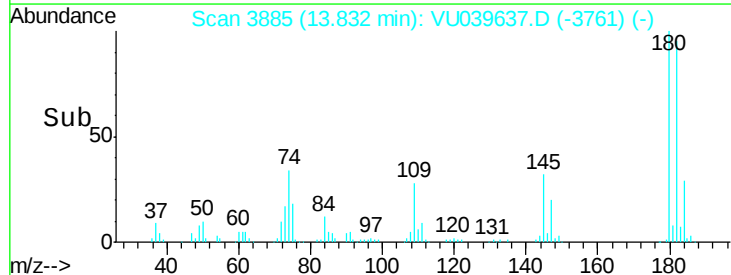
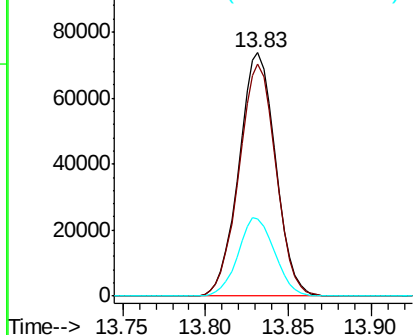


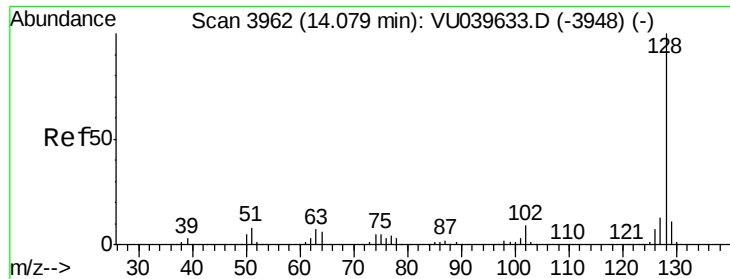
#68
 1,2,4-trichlorobenzene
 Concen: 52.331 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039637.D
 Acq: 23 Jul 2020 14:08

Tgt Ion:180 Resp: 113543
 Ion Ratio Lower Upper
 180 100
 182 95.6 74.4 111.6
 145 32.0 24.8 37.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 58.543 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039637.D

Acq: 23 Jul 2020 14:08

Instrument :

MSVOA_U

ClientSampleId :

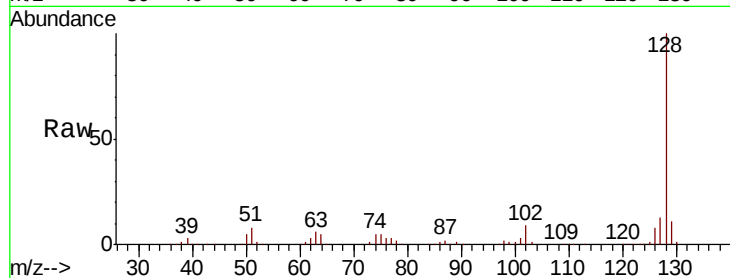
Tot Ion:128 Resp: 381046

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

300000

250000

200000

150000

100000

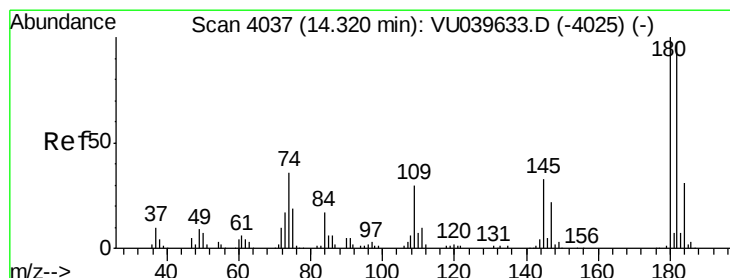
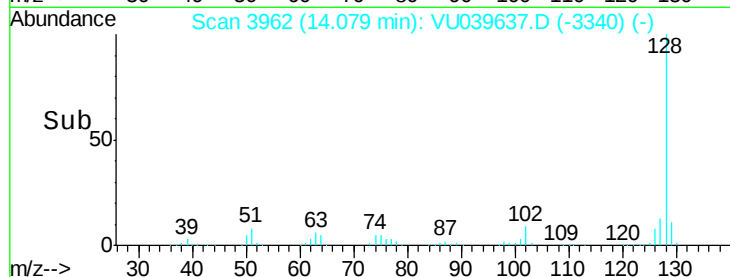
50000

0

14.00

14.10

Time-->



#70

1,2,3-Trichlorobenzene

Concen: 53.639 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU039637.D

Acq: 23 Jul 2020 14:08

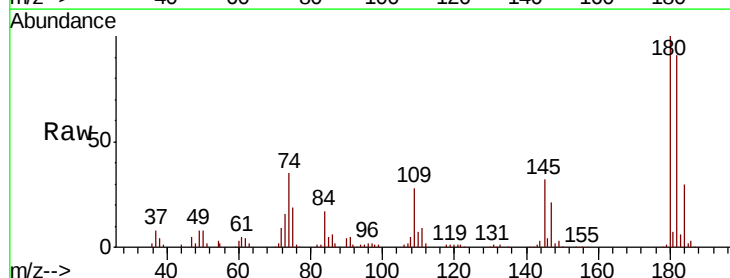
Tgt Ion:180 Resp: 117569

Ion Ratio Lower Upper

180 100

182 93.0 76.6 114.8

145 33.0 27.0 40.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

100000

80000

60000

40000

20000

0

14.25

14.30

14.35

Time-->

